UNIVERSITY OF LONDON

UNIVERSITY COLLEGE ANNUAL REPORT 1955-1956

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OFFICERS OF THE COLLEGE

CHAIRMAN OF THE COLLEGE COMMITTEE

THE RIGHT HON. LORD COHEN

VICE-CHAIRMAN OF THE COLLEGE COMMITTEE AND TREASURER

SIR FREDERICK JAMES, O.B.E.

PROVOST

SIR IFOR EVANS, D.LIT.

SECRETARY

E. A. L. GUETERBOCK, M.A.

REPORT OF THE CHAIRMAN OF THE COLLEGE COMMITTEE AND THE PROVOST

Queen Elizabeth, the Queen Mother, was installed as Chancellor of the University on 23 November 1955. The College shared in the celebrations of the University and entertained at the College delegates from other Universities and from overseas. The Provost acted as Public Orator at the Installation Ceremony at the Royal Festival Hall.

The first visit paid by Queen Elizabeth, the Queen Mother, as Chancellor to a College of the University was her visit to University College on the afternoon of Wednesday, 29 February 1956. Her Majesty, accompanied by Lord Cohen, the Provost, and others, visited the Library, the Department of Physics, and the Slade School, and had tea with the President of the Union and with a number of undergraduates and graduates.

The period of the present Report marks the penultimate session in the present quinquennial period, and the College has been engaged in preparing for submission to the University Grants Committee a statement of its needs for the new quinquennium. The Committee made its quinquennial visit to the College on 21 and 22 February 1956, and the Chairman of the University Grants Committee, in his concluding comments to the College Committee, spoke of the way in which he and his colleagues had been impressed by the degree to which the College was making good its war damage, and by the distinguished standard of its advanced studies continued and expanded in the difficult post-war years.

There was an increase in the number of students, which totalled 3,535 as compared with 3,448 in the session 1954–55: in the Faculty of Arts (which includes Architecture, Town Planning, the Slade School of Fine Art, Librarianship and Archives, and Political Economy), 1,704; in the Faculty of Laws 384; in the Faculty of Science 909; in the Faculty of Engineering 290, and in the Faculty of Medical Sciences 248. Of the total, 734, or, if we add the Honorary Research Assistants, 804 were doing postgraduate work. The number of postgraduate students is an impressive feature in these figures.

The session has been marked by important developments in the first stage of capital projects which will much extend the resources of the College. A large, ungainly, but most useful building known as the Seamen's Hospital, and situated at the north-east corner of the College rectangle, has now been vacated by the Ministry of Pensions and is available for occupation by the College. The University Grants Committee, through the Court of the University, will make available a grant for its conversion. A substantial part of the building will make good, though on a temporary basis, the much regretted inadequacy of the present Union accommodation which drew comment from the University Grants Committee. The rest of the building will house the Department of Mathematics and rehouse part of the Department of Physics, so that an area vacated by them may become part of a permanent Refectory for the College, which is still using temporary premises for the Refectory of the student body. The building will also provide some facilities on one floor for the Department of Chemical Engineering.

In last year's Report it was noted that the College had a vacant site on its rectangle for new Engineering laboratories, the construction of the first stage of which would permit of an increase of fifty per cent in the output of Engineering graduates. As a result of an appeal to industry, £306,000* has been raised for the construction and equipment of the first part of the building. The College has been much encouraged to hear from the Court of the University that the University Grants Committee will recommend a grant of £120,000 out of the special technology funds available for 1957. This figure is exclusive of any grant for professional fees and equipment, so that, when allowance has been made for these, the College now has available a sum of about £500,000 for the building, professional fees, and equipment. The site is one which will enable the buildings to be extended as further funds become available. Now that this project is so well advanced it is hoped that, from either public or private sources, it may be possible to continue building up to a total of £1,000,000 for building costs and equipment. On 15 February 1956 a reception was held in connection with the appeal to industry when the College announced its proposals of a £2,000,000 project for the completed buildings. The principal guest on this occasion was the Right Hon. The Viscount Chandos, while Lord Strang, a member of the College Committee and Chairman of the Engineering Appeal Committee, described the plans for the proposed new buildings. The

*Total at 1 July 1956; at 15 February 1957, £370,784 had been promised to the appeal.

College has been greatly encouraged by the co-operation it has received from industry in connection with this appeal.

Work has proceeded on the Biological Sciences building in Gower Street, though unfortunately the progress of construction is behind schedule. The site is in many ways a difficult one from the contractor's point of view and many initial problems were encountered. Further, the College is suffering, as are other academic bodies in London, from the general pressure on the building trade.

To these major projects may be added some minor schemes. Conversion of 16 and 22 Gordon Square and 33 and 35 Torrington Place will commence shortly. The University has announced that £33,000 will be available in the 1957 Building Programme for Stage II of the new Animal House. Plans have been prepared and tenders obtained for the erection of the tea room and groundsman's cottage at Shenley, the cost of which, including fees and equipment, is likely to be £33,544. The College has about £18,975 available and has asked the University for a grant.

During the year the College had the misfortune to suffer from two severe fires in Foster Court. The first, on 1 March, began in the Department of Egyptology but did considerable damage over several floors in Foster Court. The second fire, on 25 May, began in an area which was then being restored after the first fire and spread rapidly to cause extensive damage in the Foster Court Building. A number of departments have suffered grave inconvenience but work has proceeded normally and arrangements were made for their temporary rehousing. The College's losses in irreplaceable material were fortunately very small, but individual members of the College lost manuscripts and research material representing long periods of work.

One further stage in the difficult post-war history of the College was passed when between 16 and 24 April the final residue of some 60,000 books, which had been stored in heaps in basements and cellars throughout the College when the Library was destroyed during the war, were removed and shelved in the new Library bookstore which has been installed on the ground floor of Flaxman House. An outstanding development in the Library during the session has been the announcement by the Trustees of the Nuffield Foundation that they have presented to the College that valuable part of C. K. Ogden's Library which through their munificence had been housed in the College during the last three years.

The summary of the College Accounts will be found in Appendix XIII on page 80. Here it may be noted that the income of the College increased by £82,368 as compared with 1954–55, of which

£75,367 was from increased Court Grant. The total income reached £1,196,568, the highest figure that the College has yet known. Of the increased Court Grant £15,000 was the Special Grant for the development of Science and Technology. At the same time the rising costs of services and wages meant that despite this increased income very little expansion in activities was possible. Fortunately many of the research activities of the College are supported by outside grants, and these increased from £80,000 in 1954–55 to £110,000 in 1955–56. The College has felt much anxiety that it should be dependent to this extent upon outside grants and unable to make more substantial contributions from its own resources to the development of the research work of the Departments.

During the session the College published a volume on the development of the work of its Departments during the years 1950–55 and this has had wide circulation. This account may be supplemented here by a reference to some developments that have since occurred.

The Egypt Exploration Society's excavations at North Sakkara were resumed on 26 December 1955 under the direction of Professor Emery, who was assisted for a short period by Dr Arkell. The excavation resulted in the discovery of another great tomb of the First Dynasty belonging to a hitherto unknown queen called Mer-Neit. Apart from the value of the objects found in the burial chamber, the excellent preservation of the tomb was such that the Egyptian Government Department of Antiquities has decided to restore and roof over part of the ruined structure so that it will be the first example of the monumental architecture of this early period to be available for public inspection. The Reader in Egyptian Archaeology went to Egypt during the Christmas vacation as first holder of the Flinders Petrie Scholarship and studied at Sakkara, Luxor, Edfu, Hierakonpolis, Abydos and the Cairo Museum. The identification of objects in the Petrie Collection continued throughout the year. The treatment and repair of antiquities, damaged by damp storage during the war years and after, came to an almost full stop on 1 March, when fire gutted the laboratory and severely damaged a number of antiquities. As a result of the fire the whole collection of Egyptian papyri mounted between glass was soaked with water, and would have been a complete loss but for prompt help from the Egyptian Department of the British Museum, where the papyri are at present housed and in course of being remounted in glass by a member of the technical staff of the College.

The Department of English also suffered severely during the Foster Court fires. In the first, all departmental staff rooms on the

third floor were burnt out, and some members of the staff suffered considerable losses of books and papers, including the results of research. Despite these difficulties the Department has carried on its full programme of work during the session.

The College celebrated the Centenary of the birth of W. P. Ker, Quain Professor of English Literature from 1889 to 1922, on 25 October 1955. The Centenary Lecture was delivered by Professor James Sutherland, who also was responsible, with Professor Terence Spencer, for the editing of a number of Professor Ker's unpublished papers and notes from unpublished manuscripts in the College Library, under the title *On Modern Literature*. The Centenary Lecture was followed by a dinner attended by a large number of representatives of Universities both in this country and overseas. The company was addressed by His Excellency the Icelandic Minister in Copenhagen, Professor Sigurður Nordal.

The development of work in Latin American Geography has been made possible by a grant of £4,000 from the Rockefeller Foundation. This development will be particularly welcome in a College that has already a Professor of Latin American History.

In the Department of History the session was marked by the retirement of Professor Sir John E. Neale from the Astor Chair of English History which he had held since 1927. Professor Sir John Neale began to teach History in the College thirty-seven years ago and, apart from a brief absence of two years, his work during the whole of that period has been continuously associated with University College. He built up a great department and established an internationally known school of research. His own works on the Elizabethan Parliaments and on Queen Elizabeth I have gained wide recognition. The degree to which his labours have been appreciated was shown on 10 May 1956, when he gave a valedictory public lecture in the Senate House entitled 'Elizabethan History: a retrospect' and his words had to be relayed to two additional halls in order to reach the audience that had assembled. At a reception at the College after the lecture he met some 300 of his former students representing past generations going back to 1919. Despite all his distinctions many will remember him best as one who always had the College's interests at heart and he remains in the College as an Honorary Research Associate.

In the School of Librarianship a new demonstration bindery has now been opened in a room specially equipped which adjoins the Elizabethan press room in Foster Court. The bindery is under the direction of the Lecturer in Bookbinding, Mr Sydney Cockerell.

The Department of Political Economy is bringing to an end two major research projects. One, for which funds were provided by the Conditional Aid Research Fund, has been on the relation between innovation and monopoly and competition in British Industry. One of the seven books which are the result of this research is in the course of publication and deals with innovation in the man-made fibres industry. The Department's other research project has been into western enterprise in the economic development of the Far East. On this, a second volume is now with the publishers. This is on western enterprise in Indonesia and Malaya, and follows on an earlier volume which dealt with western enterprise in China and Japan and was published in 1954.

The Department of Town Planning has now moved into its new premises in Flaxman House, where the accommodation available includes two lecture rooms, two drawing offices, and a students' common room. The Head of the Department, Professor Sir William Holford, has now presented his report to the Court of Common Council on the scheme for the environs of St Paul's Cathedral. His plans which have produced much interest and some controversy have now been approved in principle with certain reservations by the Court of Common Council, and have been approved in outline by the London County Council. Sir William Holford has also recently visited Rhodesia to give further advice for the development of the Federal Capital side at Warren Hill, Salisbury.

The College was fortunate enough to obtain the consent of the University to continue the appointment of Professor W. H. Pearsall as Head of the Department of Botany for a further year while the problem of his successor was explored. The Department has been most active during the session. Among other developments, P. J. Syrett with a Rockefeller Fellowship has visited the United States, and P. R. Bell with a Leverhulme Research Award and a grant from the Percy Sladen Memorial Fund has spent a period of research in Sarawak.

Much of the research of the Chemistry Department has been work of consolidation in subjects developed in previous years. Several newer subjects have been opened up. These include a demonstration of a class of homogeneous gas reactions with the kinetic characteristics of ionic bond-fission; first model studies on the mechanism of biologically interesting reactions, as of sugars and phosphate-esters, and the first successful quantitative treatment of structural effects on reaction rate. Micro-wave work has gathered momentum, and has led to a number of important structure deter-

minations. A large body of work on new valency states and stereochemical forms of transition metals, and on the mechanisms of enzymatic reactions has been commenced. The main instrumental accession has been a high resolution grating spectrometer, evacuable, and with both photographic and photo-electric recording, an instrument probably having greater power combined with versatility than any of its kind in existence. Equipment for nuclear magnetic resonance spectra is being constructed. Various crystalline methyl benzanthracenes and dibenzacridines have been studied in order to test the theory that carcinogenic activity is related to electron density distribution. Work has begun also on a series of n-methonium salts having curare-like paralytic properties of varying degrees and kinds.

In the Department of Eugenics, Professor Penrose has served as a member of the Genetics Panel of the committee appointed by the Medical Research Council to report on the hazards of nuclear radiation, and assisted in the preparation of the report which was presented in June 1956.

The Department of Geology has continued its research scheme in Northern Norway during the year with a party which has included members of the academic staff, postgraduate students and undergraduates. The expedition worked in close contact with Norwegian academic and Government organisations.

The Department of the History and Philosophy of Science, which remains under the Headship of Dr McKie, has been moved from its very cramped quarters in the Henry Morley Building to more adequate premises at 20 Gordon Square.

The Department of Physics has made considerable progress during the session in its research programme. The electronic computer constructed in the Department by Dr Booth of Birkbeck College is now in operation and has already produced very useful results. The development of instruments for use in the programme of Upper Atmospheric Research with Rocket-Borne Equipment has proceeded intensively and preliminary trials are being carried out at the artillery range at Shoeburyness. Dr R. L. F. Boyd has been in Australia discussing details of the trial procedure with the Australian authorities. The magnet for the large microtron has been cast and is now being placed in position in the Department inside its concrete housing. A new item has been the co-operation with the University of Bristol for obtaining and studying nuclear emulsions exposed to the meson beam from the bevatron in Berkeley, California.

In the Department of Electrical Engineering continued progress has been made in both undergraduate and postgraduate work.

Proposals have been put forward for amending the Final Degree Examination so as to include an additional Electrical Engineering subject. This broadens the basis of the examination and will be associated with corresponding developments in the teaching work of the Department. Postgraduate research activities include a number of new problems in the microwave field, but the work is somewhat handicapped by lack of sufficient laboratory accommodation. A new electrical materials laboratory with special emphasis on semi-conductors has been planned, and, with the help of the special grant for the Development of Science and Technology, equipment is being collected and an additional lecturer appointed to the staff. This additional facility will be reflected in both the undergraduate and the postgraduate work. Dr T. E. Allibone of Associated Electrical Industries, Limited, has very kindly offered nuclear reactor facilities at Aldermaston for the training of undergraduate students and for research work by postgraduate students. This has been gratefully accepted and it is hoped in the near future to take advantage of the offer.

The demand by employers for engineering graduates of the College has continued unabated and it is clear that the needs of industry justify every possible step to increase our output of qualified men.

In the Department of Anatomy the outstanding event has been the installation of a Siemens electron microscope which arrived in October. The microscope has proved extremely efficient in resolution and ease of operation, and is being operated by Dr J. D. Robertson in conjunction with a number of other members of the staff of the Department.

The Department of Biochemistry celebrated the tenth anniversary of its separate existence by the publication of a volume of Collected Papers, and by holding a dinner for past and present members of the Department.

The staff of the Department of Biophysics has been reinforced by the appointment of Dr H. E. Huxley, an external member of the Medical Research Council staff, for whose research a high-resolution electron microscope has been provided by the Council.

Apart from the retirement of Professor Sir John Neale, which has already been mentioned above, among the resignations of members of the senior staff was that of Professor R. Wittkower, who resigned the Durning-Lawrence Chair of the History of Art at the end of March 1956, in order to take up an appointment as Chairman of the Department of Fine Art in Columbia University, New York. Miss Diana Lewton Brain, who held the office of Tutor to

Women Students from 1950, resigned her appointment at the end of the session in order to take up a teaching post.

Professor H. C. Allen, formerly Lecturer in Modern History in the University of Oxford and Senior Tutor of Lincoln College, was appointed to the Commonwealth Chair of American History in October 1955, and Professor D. P. Craig, formerly Professor of Physical Chemistry in the University of Sydney, took up his appointment as Professor of Chemistry towards the end of the academic year.

The session concluded with the Assembly of Faculties which was addressed by the Special Visitor, the Right Hon. Lord Strang, who spoke on ' Some Reflections on Diplomacy'.

Members of the academic staff so frequently give lectures outside the College that it would be impossible to enumerate them all in this report. A few outstanding examples, however, might be quoted: Professor G. C. Allen gave an address on 'International Competition in Textiles' to the Congregation of the Textile Institute, Manchester; Professor H. C. Allen, the Schouler Lectures on 'Bush and Backwoods: a comparison of the frontier in Australia and the United States' at the Johns Hopkins University; Professor J. B. S. Haldane, the Woodhull Lecture of the Royal Institution on 'The Prospects of Eugenics', and the Herbert Spencer Lecture on 'Time in Biology' at the University of Oxford; Professor P. B. Medawar, the William Withering Lectures on 'Transplantation and Immunology' at the University of Birmingham, and two lectures on 'Problems of Transplantation' by invitation of the Academy of Sciences, Moscow; Professor A. H. Smith, the Gollancz Lecture of the British Academy on 'Place-Names and the Anglo-Saxon Settlement'; and, Professor J. Z. Young, the Wallace Memorial Lecture on 'The Evolution of Homeostatic Control' at the University of Malaya, Singapore.

The Student Health Association has now been operating for ten years. It began as a contributory insurance scheme in 1946. Its first clinical work was started in 1947 when it took responsibility for opening a small treatment-room staffed by a nursing sister. The Association's first medical officer, part-time, was appointed in 1948. Its first full-time post was created in 1949 when Dr Nicolas Malleson was appointed to his present post as physician-in-charge. In the same year arrangements were completed for forming a National Health Service panel for students in lodgings and hostels, and a part-time assistant-physician was added to the staff. In 1952 this was made a full-time post, and Dr Arnold Linken was appointed. Dr Margaret Withof-Keus, who had been doing some part-time sessions since

1950, has continued to attend during terms. In 1950 the Royal Veterinary College joined the Association, and since then Dr Malleson has held three clinics there each week during terms. A few months later the London School of Hygiene and Tropical Medicine also came into the Association. As a matter of policy no further expansion to other Institutions is contemplated. In 1949–50, the first year that the Association had a full-time physician, 1,009 students and 191 staff had a total of 3,221 consultations, including routine examinations. In the session 1955–56 the numbers were 1,373 students and 331 staff, having 5,758 consultations. The National Health Service List, begun in 1949, has grown steadily. At the beginning of the 1955–56 session it comprised 1,643 persons; at the end of the session the number had increased to 1,988.

In 1954 a dental centre was begun, operating within the framework of the National Health Service. It was so successful that a second chair was opened the following year. In 1955–56, 6,368 appointments were worked. The dental service is not only financially self-supporting but also earns a certain excess to be absorbed into the Association's general budget. Annual mass miniature chest X-ray by the visiting mobile unit was begun in 1947. It was made compulsory in 1953, as voluntary attendance never rose above 60 per cent and the tuberculosis detection rate was still high. Since that time detection rates all over the country have been falling. The survey in February 1950, in spite of nearly 100 per cent coverage, found no cases of tuberculosis or any other conditions of real importance. The Student Health Service has continued its research into the reasons for academic failure, and the Halley-Stewart Trust has generously provided a grant for its support. A report of this work will be included in next year's Annual Report.

A full report was made last session on the work of the Association of Friends of University College, whose activities therefore may be more briefly summarised in this present Report. Sir Godfrey Ince has become President of the Association in succession to Lord Strang, who continues his close connection as a Vice-President of the Association. During the session the Friends have presented to the College a drawing by R. J. Burn, A.R.A., of Sir David Pye, former Provost. They have more than doubled their gift of silver plated cutlery and have provided funds for a pilot scheme to enable the history of University College during the last war to be written. In addition, the Friends have provided a new set of timpani for the College Orchestra, a further gift of trees for Shenley, and a second grant to enable the Film Society to continue making short documentary films of academic

staff at work at University College and of ceremonial occasions. Two pictures by Slade students have been bought from the fund provided for this purpose.

The College is making renewed efforts to get in touch with old students and has advertised in newspapers and journals. The response, though not massive, is sufficient to encourage further attempts to regain contact with the thousands of alumni whose addresses are unknown to us.

COHEN, *Chairman*

IFOR EVANS, *Provost*

SUPPLEMENT

OBITUARY

We record with deep regret the death of the following Fellows of the College: F. J. F. Barrington, Consulting Surgeon to University College Hospital; Dr G. T. R. Hill, Kennedy Professor of Mechanical Engineering from 1934 to 1948; Professor A. O. Rankine, and Sir Arthur Tansley (Senior Fellow).

Among former members of the staff who died in the course of the year were: Walter Bayes, lecturer in the Slade School from 1930 to 1940; Arundell J. K. Esdaile, who was on the staff of the School of Librarianship from its institution in 1919 to 1941, holding appointment as Lecturer in Bibliography from 1925; Professor S. R. K. Glanville, Edwards Professor of Egyptology from 1935 to 1946; C. R. Sanderson, a member of the staff of the School of Librarianship from 1921 to 1929; Emeritus Professor M. T. Smiley, Professor of Greek from 1924 to 1948; E. M. Stéphan, who held appointments on the staff of the French Department from 1920 to 1946; and Professor F. W. Thomas, Lecturer in Comparative Philology from 1908 to 1935 and Reader in Tibetan from 1909 to 1937.

Within a few days of the opening of the session the College lost, by the death of L. F. Gilbert, one who had given a lifetime of devoted service to the Chemistry Department. Entering the Department as a student in 1910, he was for thirty-six years a valued member of its staff.

The untimely death of M. G. F. Ventris, Honorary Research Associate in the Department of Greek since 1953, has deprived the College of association with a scholar of outstanding promise and achievement.

In the 1956 New Year Honours, Professor Emeritus A. E. Richardson was created a K.C.V.O.; Professor Kathleen Lonsdale a D.B.E. and Professor Solly Zuckerman, Fellow of the College, a Knight Bachelor. The Queen's Birthday Honours included the conferment of Knighthoods on Professor W. M. Coldstream; F. C. Hooper, former student of the College and President of the Friends of University College; and Allan S. Quartermaine, Fellow of the College. The order of C.M.G. was conferred on C. F. G. Ransom, former student in the Faculty of Arts.

Of the many honours and appointments obtained by past and present members of the College, it is possible to mention only a few. Professor H. Grüneberg and Professor W. D. M. Paton were elected Fellows of the Royal Society, and Professor E. G. Turner an Ordinary Fellow of the British Academy. During the year the Royal Society awarded the Hughes Medal to Professor H. S. W. Massey, and Professor G. L. Brown was elected Biological Secretary of the Society. Simon Elwes was elected an Associate of the Royal Academy. The Gold Albert Medal of the Royal Society of Arts for 1956 was awarded to Sir Henry Dale.

Sir Ifor Evans was presented with the Honorary Medal of New York University when he visited the University to take part in the celebration of its 125th anniversary.

Professor H. O. Corfiato was appointed a Chevalier of the Légion d'Honneur by the French Government and was elected a member of the French Académie d'Architecture; Professor R. Weiss a Corresponding Fellow of the Academia dei Sepolti of Volterra in Italy, and Professor A. H. Smith a Chevalier of the Order of the Falcon of Iceland.

Sir Edwin Chapman-Andrews was appointed British Ambassador at Khartoum.

Notable overseas appointments included those of E. O. Asafu-Adjaye as Minister of Trade and Labour in the Gold Coast Cabinet; Justice Sudhi Ranjan Das as Chief Justice of India; Sir James H. Henry as Attorney-General, Cyprus; Krishna Menon to the Cabinet of the Indian Government; Dr J. C. Mehdi as Legal Adviser of the State of Assam and Secretary of State for Judicial and Legislative Affairs; and H. S. Suhrawardy as Prime Minister of Pakistan.

Honorary degrees were conferred on the following: Sir Ifor Evans and Professor C. K. Ingold, Doctorate Honoris Causa of the University of Paris; Dr Joan Evans, Litt.D. of the University of Cambridge; Sir Maurice Ginsberg, LL.D. of the University of

Glasgow; Sir Charles Goodeve, D.Sc. of the University of Sheffield; Professor J. B. S. Haldane, LL.D. of the University of Edinburgh; Sir Harold Himsworth, D.Sc. of the University of Manchester; Professor Sir John E. Neale, Litt.D. of the University of Liverpool; Professor W. H. Pearsall, D.Sc. of the University of Durham; Dame Lillian Penson, D.C.L. of the University of Oxford; Professor J. Z. Young, D.Sc. of the University of Bristol.

Professor B. Ashmole has been elected Lincoln Professor of Classical Archaeology and Art in the University of Oxford. Dr O. R. Marshall was appointed to the Chair of Law in the University of Sheffield, and Professor Basil Fletcher to be Vice-Principal of the University College of Rhodesia and Nyasaland.

Within the University of London, Dr J. F. Lockwood was elected Vice-Chancellor and Professor James Sutherland was appointed Public Orator. The title of Professor Emeritus of English History was conferred on Professor Sir John Neale, the title of Professor of Human Metabolism on Dr C. E. Dent in respect of his post at University College Hospital Medical School, and the title of Professor of Geography on A. E. Smailes in respect of his post at Queen Mary College. In the College, D. Lloyd, a Reader in English Law, was appointed to the Quain Chair of Jurisprudence, and the following, who formerly were Readers by conferment of title, were appointed to established Readerships; Dr L. S. Bosanquet (Pure Mathematics); Dr Florence N. David (Probability and Statistics); Dr A. Maccoll (Chemistry); Dr H. G. Poole (Chemistry); and A. C. Stevenson (Applied Mathematics). Dr L. Fowden was appointed to an established Readership in Plant Chemistry. The title of Professor of Genetics was conferred on Dr H. Grüneberg and the title of Reader on the following: R. Browning (Latin and Greek); Dr D. H. L. Evans (Anatomy); Dr A. L. Greenbaum (Biochemistry); Dr E. J. Harris (Biophysics); D. A. Sholl (Anatomy); Dr. S. Stein (Hebrew).

New Faculty appointments were: Professor R. C. FitzGerald as Dean, and Professor R. Powell as Vice Dean, of the Faculty of Laws; Professor F. R. Winton as Dean, and Professor Ernest Baldwin as Vice-Dean, of the Faculty of Medical Sciences.

OLD STUDENTS' ASSOCIATION

At the Annual General Meeting held on 19 October, 1955, S. W. C. Phillips was elected President for the session 1955–56 in succession to Dr H. K. Cameron.

The programme of social activities has served once again to draw the Association into closer touch with present students. There was a

most successful debate, held in collaboration with the College Debating Society, and an Open Night in the Union Lounge attended by present and past students, at which representatives of five generations of students, from 1890 to the present day, spoke of the College as they knew it. Fifteen representatives of the departmental societies attended one or other of the informal dinners and a further thirty students came to the dinner in June 1956 at which Lord Strang was the guest of honour. Probably the most notable social event of the year was a visit to the Royal Academy, with a talk by the P.R.A., Sir Albert Richardson, and a private view of the two winter exhibitions. This was attended by the record number of some 200 members and friends. The speakers after the informal dinners were the Provost on the reconstruction of the College since the war and future developments, Professor A. B. C. Cobban on the study of History and Professor G. P. Wells on the language of birds. In addition, a string quartet from the University College and Hospital Chamber Music Club, led by Professor E. G. Turner, gave a recital of works by Mozart and Borodin. In July, members visited the village of Hunsdon where they were entertained by Mr and Mrs F. E. Warner.

Members have been sent a bulletin containing news of past students of the College, and of the activities of the Association.

The session 1956–57 may well be a landmark in the history of the Association, as all students completing first degree or diploma courses in 1956 will be members for the session, their subscriptions having been paid by the College in the hope that this may encourage many of them to continue their membership subsequently and so keep in touch with the College.

REPORT OF THE PRESIDENT OF THE STUDENTS' UNION

The most significant event of the year was the acceptance of the University's offer to become Trustees of the Union's Sports Grounds at Shenley. The funds of the previous Trustees were all but exhausted, and so after considerable debate this step was taken in the hope that University finances may soon become available to develop the present inadequate facilities.

Faced by rising costs on all sides, the Union Finance Committee had difficulty in preparing a realistic budget, and the Central Athletics Board had to break with tradition in charging a subscription for members. However, I am pleased to report that in the coming year the Union subvention is to be substantially increased.

The four major Union publications, *Pi*, *New Phineas*, the Handbook, and the Diary, have continued to play their successful part in the year. The Union Shop has extended its scope, is open regularly in term-time, and is served by a permanent assistant.

The Chemical and Physical Society has started a printed journal, which is claimed to be the Manchester Guardian of undergraduate science, and the second edition has maintained a wide circulation in the University. The printed journals of the Engineering Society and the Ramsay Society of Chemical Engineers have continued publication. An Exploration Society has been formed, and organised a most successful research group in North Sweden this summer.

The Central Athletics Board reports a successful year, in which the Men's Hockey Club won the University of London Athletics Union Cup and also the Six-a-side Tournament. The Association Football Club and the Chess Club came top of their respective University Leagues, and the Women's Swimming Club won the University Cup. A member of the Rifle Club won the University of London and also the British University Championships. Six members of the Cross Country Club were in the victorious London team in the British Universities Championships. The Fencing Club claims two internationals.

The Dramatic Society's Christmas play *Dark of the Moon* showed artistic presentation and vitality in the players. The Foundation play *The Duchess of Malfi* was well produced, though general opinion labelled it an unsuitable choice. This year, Music Society presented their most successful opera to date, Rossini's *Il Turco in*

Italia. 'House Full' notices were out, and several favourable reports appeared in the national press. Two College newsreels have been prepared by Film Society, and a film for the College archives is being made. During term-time a film show is arranged weekly, and this event continues to be most popular. Debating Society started its season by overwhelmingly defeating the motion 'That Liberalism is dead and ought to lie down', and perhaps continuing this tide of Liberalism, passed the traditional Foundation Week motion 'That this House has no confidence in Her Majesty's Government'.

Our relations with external bodies have improved during the year. Reconciliation with the University of London Union has resulted in the President resuming his seat on the Presidents' Council of that body. An active interest in the National Union of Students has been shown by some individuals, and notably by Mr Peter Pryor, last year's President of the Union, who has followed up his successful year of office by being elected a Vice-President of the N.U.S. He and the President represented University College as observers at the IVth World Student Congress held in Prague.

A recent survey of student activity showed that only 4 per cent of the Union belong to political societies, 9 per cent to religious societies, 60 per cent to departmental societies, and 24 per cent belong to sports clubs.

The Seamen's Hospital will soon be the new home, albeit temporarily, of the Union, and I hope that when my successor presents his report he will be writing it from there.

MICHAEL BASSEY
President, 1956–57

REPORT ON THE BARTLETT SCHOOL OF ARCHITECTURE

During the session 1955–56 there were 172 students in the School: 46 taking the Degree Course, 102 taking the Diploma Course, 17 taking the Certificate Course in Decoration, 4 taking Postgraduate Courses, and 3 taking the Certificate Course in the Preservation and Restoration of Historical Buildings. Students came from many different parts of the world. Ten students obtained the Degree in Architecture, and twenty-two the Diploma in Architecture. Two students have been engaged by the Australian Government and are emigrating to the Commonwealth, and the others have had no difficulty in finding immediate employment. The number of students already accepted to begin the courses in Architecture and Decoration next session shows a marked increase over last year.

Last year it was reported that representative drawings of the work of the School had been on exhibition in various countries of the Commonwealth and in the United States of America. During 1956-57 it is proposed to show at the College an exhibition of drawings from Schools in the Commonwealth. In a competition between French and British Students, first and third prizes amongst British students were again awarded to students of the School, T.L.C. Freeman being the winner of the competition. Freeman has been recommended for a French Government Scholarship, to enable him to study for a year at the Ecole Nationale et Supérieure des Beaux Arts, in Paris.

The Directors of 'The Builder' have created a new prize, for freehand drawing, of books to the value of ten guineas.

The Division of Decoration has had a successful year under the direction of H. Warren Wilson.

Various members of the Staff, both of the School of Architecture and the Division of Decoration, have engaged during the session in interesting work of a practical nature, which always proves a stimulus to their academic activities.

REPORT ON THE SLADE SCHOOL OF FINE ART

There were 192 full-time students (96 men and 96 women) attending the School during the session 1955–56. Of these, 154 were following the course leading to the University of London Diploma in Fine Art, 13 were post-Diploma students and the rest were following a course in the School for one year only. There were also 17 part-time students. British Council scholars came from Canada, Greece and India, and there was one Fulbright Scholar. There were also 36 other students from abroad coming from: South Africa, Australia, Canada, Egypt, Greece, Holland, India, Hong Kong, Pakistan, Portugal, Rhodesia, Singapore, the Sudan, Switzerland, Thailand, the United States of America and New Zealand.

At the entrance examination held in January, 307 candidates applied for places in October 1956; 68 candidates were accepted.

During the session the following artists taught periodically in the School: Edward Ardizzone, Rodney Burn, Lucian Freud, Patrick Heron, T. S. Lowry, Victor Pasmore, John Piper and Keith Vaughan.

Professor Wittkower was granted leave of absence during the autumn and spring terms in order to take up the appointment of Guest Professor at Columbia University, New York. During his absence Professor Gombrich gave a course of lectures to second and third year students in the first term of the session on 'Traditions and Methods in Drawing'. He also conducted a weekly seminar. During the second term Professor Wilde lectured on the subject 'From Bellini to Titian' and Professor Gombrich continued his seminars.

Professor Wittkower resigned from the Durning-Lawrence Chair as from April 1956 in order to take up the appointment of Professor in the History of Art at Columbia University, New York. Professor Wittkower had held the Durning-Lawrence Chair for nearly seven years and his loss is keenly felt by the Slade School, where he had established a relationship between the teaching of the History of Art and the practice of painting and sculpture of a peculiarly vital nature.

During the first term of the session two public lectures on Flaxman were given in the College, the first by Dr Margaret Whinney on 'Flaxman and the 18th Century' and the second by Dr T. S. R. Boase on 'Flaxman and Regency Art'. In the second term Adrian

Stokes lectured on 'The Influence of Buildings on Painting' and Professor Schapiro on 'Abstract Painting'. In the third term Peter Townsend gave a lecture on 'The Chinese Classical Theatre', William Watson two lectures on 'Chinese Painting' and W. Y. Willetts two lectures on 'Chinese Sculpture'; Michael Kitson lectured on 'Ruskin' and on 'Constable's views on Painting', Andrew Forge on 'Art Criticism in England in the Eighteen-Nineties', Professor A. Clutton Brock on 'Roger Fry', David Sylvester on 'The Art Criticism of Baudelaire' and on 'D. H. Lawrence as Art Critic' and Stephen Spender on 'The Problem of Attention'. Lectures for Stage Design students were given by Miss Vivienne Bennett, Peter Brook, John Collins, John Goulding, James Laver, Norman Marshall, Richard Southern, Robert Stanbury, Peter Townsend and John Wyckham. During the session N. Georgiadis gave part-time assistance to Mr Medley.

The Rome Scholarship in Painting for 1956 was awarded to N. T. Norris and Abbey Minor Scholarships to T. A. Cross and J. H. Hope. French Government Travelling Scholarships were awarded to N. J. Dilworth, M. R. Tyzack and A. Windsor and a British Institute of Paris Scholarship to Miss Penelope M. Ellis. Miss Ruby C. Todd was awarded an Italian State Scholarship and R. J. C. England a grant from the David Murray Studentship Fund for landscape Painters. The Postgraduate Studentship in Fine Art was awarded to A. B. Hatwell.

In July 1955 after the first Boise Travelling Scholarship had been awarded, C. W. Boise most generously gave a further sum of money to University College to enable a second Scholarship, also of the value of £400, to be given annually in his name.

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APPENDIX I

COLLEGE COMMITTEE

	*Attendances**
Chairman: The Right Hon. Lord Cohen‡	4–7
Vice-Chairman and Treasurer: Sir Frederick James, O.B.E.	7–7
Professor F. Brailsford, B.SC.(ENG.), PH.D., M.I.E.E.	5–7
Mrs Irene Chaplin, B.A., J.P.	6–7
The Right Hon. The Earl of Cromer	1–7
Miss Florence N. David, D.SC.	7–7
P. Dunsheath, C.B.E., M.A., D.SC., D.ENG., M.I.E.E.	4–7
Sir Ifor Evans, D.LIT.† *Provost*	7–7
Professor, R. C. FitzGerald, LL.B., F.R.S.A.§	4–4
David Heron, M.A., D.SC.†	6–7
Professor A. V. Hill, C.H., O.B.E., SC.D., LL.D., D.SC., M.D., F.R.S.‡	4–7
Professor R. A. Humphreys, O.B.E., M.A., PH.D.§	2–4
Professor B. Katz, M.D., PH.D., D.SC., F.R.S.¶	3–3
L. Hilary Mackin, O.B.E., M.A.	6–7
R. D. McLellan, PH.D.¶	3–3
E. K. Martin, M.B., M.S., F.R.C.S.†	6–7
T. A. L. Paton, B.SC., M.I.C.E., M.AM.SOC.C.E.†	2–7
Professor E. S. Pearson, C.B.E., M.A., D.SC†	6–7
S. W. C. Phillips, C.B., B.A.	6–7
Professor R. Powell, D.C.L.¶	3–3
Mrs Hazel Rose, LL.B.	2–7
F. J. Stephens, M.A.	5–7
The Right Hon. Lord Strang, G.C.B., G.C.M.G., M.B.E., B.A., LL.D.†	7–7
Alderman and Sheriff B. N. Waley-Cohen, M.A.	2–7
G. E. Walker, O.B.E., B.A.	7–7
Miss Phyllis Woodham-Smith, M.A.	2–7
Professor J. Z. Young, M.A., F.R.S.§	3–4

* The two figures indicate respectively the number of times that the member attended, and the number of times that he was summoned to a meeting of the Committee during the year 1 October 1955 to 30 September 1956. ‡ Hon. Fellow of the College. † Fellow of the College. § Membership terminated before 30 September 1956. ¶ Appointed after 1 October 1955.

APPENDIX II

PROFESSORIAL BOARD

Chairman: Sir Ifor Evans, D.LIT., Provost†

C. W. Allen, D.SC., Perren Professor of Astronomy

G. C. Allen, M.COM., PH.D., Professor of Political Economy

H. C. Allen, M.C., M.A., Commonwealth Fund Professor of American History

G. F. Arnold, B.A., Lecturer in Phonetics

A. J. Ayer, M.A., F.B.A., Grote Professor of Philosophy of Mind and Logic

Ernest Baldwin, PH.D., Professor of Biochemistry

H. E. M. Barlow, B.SC.(ENG.), PH.D., M.I.E.E., M.I.MECH.E., Pender Professor of Electrical Engineering†

F. Brailsford, B.SC.(ENG.), PH.D., M.I.E.E., Professor of Electrical Engineering

G. L. Brown, C.B.E., M.SC., M.B., CH.B., F.R.S., Jodrell Professor of Physiology

A. B. C. Cobban, M.A., PH.D., Professor of French History

Sir William Coldstream, C.B.E., Slade Professor of Fine Art†

H. J. Collins, M.C., M.SC., M.I.C.E., M.I.MECH.E., P.P.I.STRUCT.E., A.M.AM.SOC.C.E., Chadwick Professor of Civil Engineering

H. O. Corfiato, S.A.D.G., F.S.A., F.R.I.B.A., HON.F.I.B.D., Professor of Architecture

D. P. Craig, M.SC., PH.D., Professor of Chemistry

H. C. Darby, O.B.E., M.A., PH.D., Professor of Geography

H. Davenport, M.A., SC.D., F.R.S., Astor Professor of Mathematics

Florence N. David, D.SC., Reader in Probability and Statistics

W. R. Dean, M.A., Goldsmid Professor of Mathematics

M. B. Donald, M.SC., F.R.I.C., M.I.CHEM.E., A.R.C.S., Ramsay Memorial Professor of Chemical Engineering

W. B. Emery, M.B.E., M.A., F.S.A., Edwards Professor of Egyptology

R. C. FitzGerald, LL.B., F.R.S.A., Professor of English Law

Daryll Forde, PH.D., Professor of Anthropology†

L. W. Forster, M.A., DR.PHIL., Professor of German

D. B. Fry, PH.D., Reader in Experimental Phonetics

A. H. Gerrard, Professor of Sculpture

H. Grüneberg, PH.D., M.D., D.SC., F.R.S., Professor of Genetics

J. B. S. Haldane, M.A., D.SC., LL.D., D. DE L'UNIV., F.R.S., Weldon Professor of Biometry

Sir William Holford, M.A., F.R.I.B.A., M.T.P.I., F.I.L.A., Professor of Town Planning

S. E. Hollingworth, M.A., D.SC., Yates-Goldsmid Professor of Geology

E. D. Hughes, D.SC., PH.D., F.R.I.C., F.R.S., Professor of Chemistry†

R. A. Humphreys, O.B.E., M.A., PH.D., Professor of Latin American History

C. K. Ingold, D.SC., F.R.S., Professor of Chemistry

Raymond Irwin, M.A., F.L.A., Director of the School of Librarianship & Archives

† Fellow of the College.

B. Katz, M.D., PH.D., D.SC., F.R.S., Professor of Biophysics

G. W. Keeton, M.A., LL.D., Professor of English Law

L. Margaret Kerly, M.A., PH.D., Reader in Biochemistry

B. J. Lloyd-Evans, M.SC.(ENG.), PH.D., M.I.MECH.E., Kennedy Professor of Mechanical Engineering

Dame Kathleen Lonsdale, D.B.E., D.SC., F.R.S., Professor of Chemistry†

A. Maccoll, M.SC., PH.D., Reader in Chemistry

D. McKie, D.SC., PH.D., Reader in the History and Philosophy of Science

R. D. McLellan, PH.D., Senior Tutor and Senior Lecturer in Greek and Latin

H. S. W. Massey, D.SC., PH.D., F.R.S., Quain Professor of Physics

P. B. Medawar, M.A., D.SC., F.R.S., Jodrell Professor of Zoology and Comparative Anatomy

A. D. Momigliano, M.A., D.LITT., F.B.A., Professor of Ancient History

Sir John E. Neale, M.A., D.LITT., F.B.A., Astor Professor of English History†

R. S. Nyholm, D.SC., F.R.I.C., Professor of Chemistry

W. H. Pearsall, D.SC., F.R.S., Quain Professor of Botany

E. S. Pearson, C.B.E., M.A., D.SC., Professor of Statistics†

L. S. Penrose, M.A., M.D., M.R.C.S., L.R.C.P., F.R.S., Galton Professor of Eugenics

R. Powell, D.C.L., Professor of Roman Law

G. J. Renier, PH.D., PHIL.LIT.CAND., Professor of Dutch History and Institutions†

Constance M. Rigby, M.A., PH.D., Lecturer in Mathematics

C. M. Robertson, M.A., Yates Professor of Classical Art and Archaeology

R. W. Russell, M.A., PH.D., D.SC., Professor of Psychology

J. W. Scott, B.A., A.L.A., Librarian

O. Skutch, DR.PHIL., Professor of Latin

A. H. Smith, O.B.E., R.N.O., PH.D., D.LIT., Quain Professor of English Language and Literature

S. Stein, PH.D., Goldsmid Senior Lecturer in Hebrew

James R. Sutherland, M.A., B.LITT., LL.D., F.B.A., Lord Northcliffe Professor of Modern English Literature

L. W. Tancock, PH.D., Senior Lecturer in French

E. H. Thompson, O.B.E., B.A., F.R.I.C.S., Professor of Surveying & Photogrammetry

E. G. Turner, M.A., F.B.A., Professor of Papyrology

T. B. L. Webster, M.A., F.S.A., HON.R.A., Professor of Greek

R. Weiss, B.A., Professor of Italian

G. P. Wells, M.A., SC.D., F.R.S., Professor of Zoology

F. R. Winton, M.A., M.D., D.SC., Professor of Pharmacology

R. Wittkower, PH.D., Durning-Lawrence Professor of the History of Art

B. Woledge, M.A., D. DE L'UNIV., Fielden Professor of French Language and Literature

J. Z. Young, M.A., D.SC., F.R.S., Professor of Anatomy

† Fellow of the College.

APPENDIX III

HONORARY FELLOWS AND FELLOWS

The following elections were made in 1956:

HONORARY FELLOWS

None elected.

FELLOWS

Dame Marjorie Cox, D.B.E., former Deputy-Secretary, Ministry of Pensions and National Insurance

Professor David Vaughan Davies, Professor of Anatomy, University of London

Professor Laurence Cecil Bartlett Gower, M.B.E., Sir Ernest Cassel Professor of Commercial Law in the University of London

Mr John Henry Pyle Pafford, Goldsmiths' Librarian, University of London

Sir Matthew Smith, C.B.E., painter

Mr Ernest Thesiger, actor and artist

APPENDIX IV

RECOGNITION OF TEACHERS

The following members of the academic staff have been granted, during the academic year 1955–56, Full Recognition as Teachers of the University in the subjects and in the University Faculties indicated:

G. Aquilecchia	Italian (Arts)
J. Brown	Electrical Engineering (Engineering)
J. G. Capewell	Geology (Science)
I. R. Christie	Modern History (Arts)
M. Mary Douglas	Social Anthropology (Arts)
F. Lilian Haddakin	English (Arts)
L. B. Keeble	Town Planning (Arts)
O. C. J. Lippold	Physiology (Medicine and Science)
D. R. Llewellyn	Chemistry (Science)
A. Summerfield	Psychology (Arts and Science)
C. A. Vernon	Chemistry (Science)
D. P. Walker	French (Arts)
A. Wassermann	Chemistry (Science)
D. J. B. White	Botany (Science)
E. Wiesenberg	Hebrew and Aramaic (Arts)

APPENDIX V

PRINCIPAL CHANGES IN THE ACADEMIC STAFF

FACULTY OF ARTS

ANTHROPOLOGY

Appointments: P. J. C. Dark, M.A., PH.D. (Research Assistant), formerly at West African Institute of Social and Economic Research, Ibadan.

Resignations: R. E. Bradbury, B.A. (Research Assistant), on appointment to Research Fellowship, University College of West Africa, Ibadan.
D. J. Stenning, PH.D. (Assistant Lecturer), on appointment to Senior Research Fellowship, East African Institute of Social Research, Kampala.

ARCHITECTURE

Appointment: H. F. Hoar, B.A., F.R.I.B.A., A.M.T.P.I. (Lecturer).

EGYPTOLOGY

Appointment: R. O. Faulkner, F.S.A. (Lecturer).

ENGLISH

Appointments: P. Goolden, M.A., B.LITT. (Lecturer), formerly Lecturer in English Language and Junior Dean at University College, Oxford.
D. L. Turner, M.A. (Lecturer), formerly Senior Classics Master at Marylebone Grammar School.
J. F. Warburg, M.A., A.M. (Assistant Lecturer), formerly held honorary appointment on staff.
A. G. Mitchell, M.A., PH.D. (Honorary Research Associate), from University of Sydney.

FINE ARTS

Appointment: C. Rogers (Lecturer), formerly part-time Assistant in the Slade School.

GEOGRAPHY

Appointments: K. M. Barbour, M.A., B.LITT. (Lecturer), formerly Senior Lecturer in Geography at University College, Khartoum.
R. A. French, M.A. (Lecturer), from National Service.
P. Haggett, B.A. (Assistant Lecturer), from University of Cambridge.
R. A. Welldon Finn, M.A. (Research Assistant).

GREEK

Appointment: A. P. Treweek, B.A., PH.D. (Honorary Research Associate), from University of Sydney.

HISTORY

Appointment: H. C. Allen, M.C., M.A. (Commonwealth Fund Professor of American History), formerly Senior Tutor of Lincoln College, Oxford.

Retirement: Sir John E. Neale, M.A., D.LITT., LITT.D., F.B.A. (Astor Professor of English History and Head of the History Department).

Resignation: R. H. C. Davis, M.A. (Lecturer and Assistant Tutor), on election as Fellow and Tutor in Modern History at Merton College, Oxford.

ITALIAN

Appointment: C. Fahy, M.A., PH.D. (Assistant Lecturer), from University of Edinburgh.

PHILOSOPHY

Resignation: P. Long, B.A. (Assistant Lecturer), to Research Fellowship at Trinity College, Cambridge.

POLITICAL ECONOMY

Resignations: D. Berry, B.SC.(ECON.) (Research Assistant), to appointment at Courtaulds.

D. Rimmer, B.A. (Research Assistant), to lectureship at University College of the Gold Coast, Achimota.

SCANDINAVIAN STUDIES

Appointment: W. Glyn Jones, PH.D. (Assistant Lecturer), from 1 January 1956, formerly Temporary Lecturer in Danish, University of Cambridge.

Resignation: H. A. Koefoed, CAND. MAG. (Lecturer), from 31 December 1955, to appointment as Principal Teacher of Danish, Efterslaegtsselskabetsskole, Copenhagen.

TOWN PLANNING

Appointment: L. B. Keeble, M.C., B.SC., M.A., M.T.P.I., F.R.I.C.S. (Senior Lecturer and Director of Studies).

FACULTY OF LAWS

Resignation: O. R. Marshall, M.A., PH.D. (Lecturer), on appointment as Professor of Law and Dean of the Faculty of Law, University of Sheffield.

FACULTY OF SCIENCE

BOTANY

Appointments: Monica F. Mahoney, M.SC. (Assistant Lecturer), formerly in Bacteriology Department, Imperial College.

P. J. Newbould, PH.D. (Assistant Lecturer), from National Service.

CHEMISTRY

Appointments: D. P. Craig, M.SC., PH.D. (Professor), from 1 July 1956, formerly Professor of Physical Chemistry, University of Sydney.

J. H. Callomon, D.PHIL. (Honorary Research Associate), formerly I.C.I. Fellow.

Naida S. Gill, M.SC., PH.D. (Honorary Research Associate), formerly Turner and Newall Fellow.

E. M. Thain, PH.D. (Honorary Research Associate), formerly I.C.I. Fellow.

Resignation: S. Patai, M.SC., PH.D. (Honorary Research Associate).

Death: L. F. Gilbert, B.SC., F.R.I.C. (Senior Lecturer).

GEOLOGY

Appointment: J. E. Robinson, B.SC. (Assistant Lecturer), formerly at University of Durham.

HISTORY AND PHILOSOPHY OF SCIENCE

Appointment: Mary B. Hesse, M.SC., PH.D. (Lecturer), formerly Lecturer, University of Leeds.

MATHEMATICS

Appointment: G. L. Watson, M.A., PH.D. (Lecturer).

PHYSICS

Resignation: W. E. Duncanson, PH.D., D.SC. (Reader), on appointment as Principal, Kumasi College of Technology, Kumasi, Gold Coast.
H. E. Watson, D.SC., F.R.I.C., M.I.CHEM.E. (Honorary Research Associate).

STATISTICS

Appointment: C. L. Mallows, PH.D. (Assistant Lecturer), from National Service.

ZOOLOGY

Appointment: J. S. Huxley, M.A., D.SC., F.R.S. (Honorary Research Associate).

FACULTY OF ENGINEERING

CIVIL ENGINEERING

Appointment: K. J. Ives, B.SC.(ENG.), PH.D., A.M.I.C.E. (Lecturer), formerly Assistant Engineer, Metropolitan Water Board.

ELECTRICAL ENGINEERING

Appointment: J. Brown, M.A., PH.D., A.M.I.E.E. (Lecturer), formerly Lecturer at Imperial College.

CHEMICAL ENGINEERING

Resignation: W. S. Norman, M.SC., PH.D., M.I.CHEM.E. (Senior Lecturer), to University of Manchester.

FACULTY OF MEDICAL SCIENCES

ANATOMY

Appointments: J. E. Bridger, M.B., B.S., M.R.C.S., L.R.C.P. (Assistant Lecturer), formerly Casualty Registrar, Edgware General Hospital.
J. D. Robertson, PH.D., B.S., M.D. (Honorary Research Associate), from University of Kansas.

Resignation: K. E. Wardill, M.B., B.S. (Assistant Lecturer) from 31 October 1955, on appointment as Medical Officer with a petroleum company at Aden.

BIOCHEMISTRY

Resignation: A. Albert, D.SC., PH.D. (Honorary Lecturer).

BIOPHYSICS

Appointments : P. Fatt, PH.D. (Reader), formerly Senior Fellow, Physiology Department, Australian National University, Canberra.
H. E. Huxley, M.B.E., M.A., PH.D. (Honorary Research Associate), formerly with Medical Research Council Unit, Cambridge.

Resignation: W. Burke, B.SC (Lecturer), on appointment to Senior Lectureship, Department of Physiology, University of Sydney.

PHYSIOLOGY

Resignations: Sir Stewart Duke-Elder, K.C.V.O., M.A., D.SC., PH.D., LL.D., M.D., F.R.C.S., F.A.C.S. (Honorary Research Associate).
J. Diamond, B.SC. (Sharpey Scholar).

APPENDIX VI

PUBLIC LECTURES

W.P. KER CENTENARY LECTURE

Professor James R. Sutherland

JOHN FLAXMAN BICENTENARY LECTURES

Dr T. S. R. Boase, Oxford: 'Flaxman and Regency Art'
Dr Margaret D. Whinney, Courtauld Institute of Art: 'Flaxman and the Eighteenth Century'

TERCENTENARY OF THE RE-SETTLEMENT OF THE JEWS IN THE BRITISH ISLES: LECTURES ON ANGLO-JEWISH HISTORY

Dr C. Roth: 'The Re-settlement of the Jews in England, 1656'
Mr Edgar Samuel: 'The First Fifty Years'
Mr R. D. Barnett: 'Eighteenth-Century Anglo-Jewry'
Dr V. D. Lipman: 'The Emancipation Period, 1815–1880'
Mr I. Finestein: 'The New Community, 1880–1939'
Mr R. J. Loewe: 'Jewish Scholarship in England'
The Rev Dr J. W. Parkes: 'Christian-Jewish Relationship'
Dr A. Cohen: 'The Structure of Anglo-Jewry Today'

ENDOWED LECTURES

CHAMBERS MEMORIAL LECTURE

Professor A. G. Mitchell, Sydney: 'Lady Meed and the Art of "Piers Plowman"'

COMMONWEALTH FUND LECTURES

Professor Richard W. Van Alstyne, Southern California: 'The Rising American Empire' (eight lectures)

LORD NORTHCLIFFE LECTURES IN LITERATURE

Professor R. Syme, Oxford: 'Tacitus' (four lectures)

SETON MEMORIAL LECTURE

Professor W. Croft Dickinson, Edinburgh: 'The Scottish Parliament and the Trial of Treason'

SHEARMAN MEMORIAL LECTURES

Professor G. H. von Wright, Helsinki: 'Aspects of Modal Logic' (four lectures)

INAUGURAL LECTURES

Professor H. C. Allen, Commonwealth Fund Professor of American History: 'American History in Britain'

Professor R. S. Nyholm, Professor of Chemistry: 'The Renaissance of Inorganic Chemistry'

Professor Raphael Powell, Professor of Roman Law: 'Good Faith in Contracts'

LUNCH-HOUR LECTURES

Dr A. J. Arkell: 'Boats and Pyramids in Ancient Egypt'

Mr P. R. Bell: ' "Kon-Tiki" and the Botanists'

Dr Marian E. A. Bowley: 'Innovations and the Building Industry'

Mr B. B. Boycott: 'Brains'

Mr A. Brown: 'London Pageants of the Sixteenth and Seventeenth Centuries'

Dr J. G. Capewell: 'Some Episodes in the Geological History of the Lake District'

Mr. I. R. Christie: 'The Collapse of the Liberal Party, 1918–1924'

Professor A. B. C. Cobban: 'The Vocabulary of Social History'

Mr S. M. Cockerell: 'Why Bind Books by Hand?'

Mr M. Emslie: 'The English Secular Song after 1622'

Mr K. Garside: 'The Arrangement of Books: A New System of Classification in the College Library'

Dr R. H. Garstang: 'Palomar Explores the Universe'

Mr R. T. Green: 'Psychology and the Search for a Model'

Mr. B. D. Greenslade: 'Halifax the Trimmer'

Dr H. Judith Grenville-Wells: 'Crystals, Temporary and Permanent: (2) Diamond'

Professor J. B. S. Haldane: 'The Second Indian Five-Year Plan'

Mr. E. W. Handley: 'Looking at a Greek Theatre'

Dr H. Kalmus: 'A Biologist's Impressions of Brazil'

Mr H. A. Koefoed: 'Kierkegaard the Writer'

Professor Dame Kathleen Lonsdale: 'Crystals, Temporary and Permanent: (1) Ice'

Dr D. McKie: 'Science in Eighteenth-Century Paris'

Professor C. M. Robertson: 'Greek Artists and their Subject-Matter'

Dr K. A. Sinnhuber: 'Seashores, Mountains, and Forests: the Struggle for Living-Space in Middle Europe'

Dr Helen Spurway: 'Virgin Births'

Dr Hannah Steinberg: 'Drugs and Psychological Time'

Dr D. J. Stenning: 'Following the Clouds: Sudanese Nomadism'

Mr J. L. M. Trim: ' "Accent" and Social Prestige'

Dr V. P. Underwood: 'Rimbaud looks at London'

Professor R. Weiss: 'Dante's Poetic Circle'

Dr G. A. Wells: 'Criticism and Pretended Criticism: an Examination of some Judgments on Buckle'

Dr Mary Whitear: 'On Being a Fish'

Dr E. Wiesenberg: 'The Identity of the Dead Sea Sect'

LECTURES ARRANGED BY COLLEGE DEPARTMENTS

This list includes only those lectures given by visiting lecturers or by honorary members of the staff.

ARCHAEOLOGY

Dr Frank Brommer, Marburg: 'New Light on the Parthenon Sculptures'

BIOCHEMISTRY

Professor N. L. Edson, Otago: 'The Intermediate Metabolism of Carbohydrate in the Mycobacteria'

Dr J. Monod, Institut Pasteur, Paris: 'Specific Factors in the Biosynthesis of Enzymes'

Dr A. Nizet, Liége: 'Haemopoiesis and General Protein Metabolism'

Professor S. Spiegelman, Illinois: 'The Present Status of the Enzyme-Forming Mechanism'

Professor F. B. Straub, Budapest: 'Synthesis of Amylase in Cell-Free Systems'; 'Mechanism of active transport of potassium in the human erythrocyte' (two lectures)

Dr R. J. P. Williams, Oxford: 'Metal Complexes as Models for Metallo-Enzymes (four lectures)

ELECTRICAL ENGINEERING

Mr E. H. Cooke-Yarborough: 'Transistor Applications' (four lectures)

EUGENICS, BIOMETRY AND GENETICS

Dr James V. Neel, Michigan: 'The Genetic Control of Haemoglobin Synthesis' (Galton Lecture)

PHARMACOLOGY

Professor J. F. Danielli: 'Physico-chemical Mechanisms of Drug Action'; 'Nuclear and Cytoplasmic Sites of Drug Action' (two lectures)

Dr D. A. Denton, Melbourne: 'Regulation of Sodium Ion Content in Sheep with Parotid Fistulae'

Dr W. S. Feldberg: 'The Role of Mediators in the Inflammatory Tissue Response'; 'Recent Experiments on the Pharmacology of the Periventricular Grey Matter of the Brain' (two lectures)

Dr Roy P. Forster, Dartmouth College, Hanover, New Hampshire: 'Active Transport in Cells of Mammalian Renal Tubules studied *in vitro*'

Dr J. W. Trevan: 'The Pharmacology of Respiratory Regulation'

PHILOSOPHY

Professor Roderick M. Chisholm, Brown University, U.S.A.: 'The Ethics of Belief' (two lectures)

APPENDIX VII

NUMBERS OF STUDENTS, SESSION 1955–56

	Under-graduates	*Post-graduates*	*Totals*
Faculty of Arts:			
(*a*) General	831 (354)	183 (78)	1014 (432)
(*b*) Department of Political Economy ..	127 (4)	15 (5)	142 (9)
(*c*) Slade School of Fine Art	211 (33)	16 (3)	227 (36)
(*d*) Bartlett School of Architecture ..	169 (5)	4 (3)	173 (8)
(*e*) Department of Town Planning ..	72 (71)	30 (30)	102 (101)
(*f*) School of Librarianship and Archives	9 (9)	37 (1)	46 (10)
Faculty of Science	599 (10)	310 (83)	909 (93)
Faculty of Medical Sciences	245 (32)	3* (—)	248 (32)
Faculty of Engineering	212 (13)	78 (9)	290 (22)
Faculty of Laws	326 (68)	58 (28)	384 (96)
	2,801 (599)	734 (240)	3,535 (839)

* This figure excludes 24 full-time and 4 part-time postgraduate students working in Departments in the Faculty of Medical Sciences who were registered in the University Faculty of Science.

The figures in brackets indicate the number of part-time students which is included in the total under each head.

APPENDIX VIII

GEOGRAPHICAL DISTRIBUTION OF STUDENTS, SESSION 1955–56

	Under-graduates	*Post-graduates*	*Totals*
UNITED KINGDOM			
London	308	110	418
Home Counties (30-miles radius)	950	227	1,177
Remainder of United Kingdom	1,079	187	1,266
BRITISH COMMONWEALTH OF NATIONS			
Australia	11	13	24
Canada	9	12	21
Gold Coast	13	1	14
Hong Kong	11	2	13
India	31	47	78
Malaya	27	2	29
New Zealand	6	4	10
Nigeria	20	1	21
Pakistan	12	18	30
South Africa	9	6	15
25 Other Countries	48	10	58
OTHER PARTS OF THE WORLD			
Egypt	4	11	15
France	72	1	73
Germany	12	2	14
Greece	6	8	14
Israel	4	7	11
Italy	10	1	11
Sweden	32	—	32
United States of America	42	26	68
46 Other Countries	85	38	123
Totals	2,801	734	3,535

SUMMARY

United Kingdom	2,861
British Commonwealth of Nations ..	313
Other Parts of the World	361
	3,535

APPENDIX IX

UNIVERSITY HONOURS

HIGHER DEGREES

FACULTY OF ARTS

Ph.D. *Ancient History:* J. C. Mann. *French:* Joan E. M. Balaam, Lynette R. Muir. *Geography:* M. E. A. A. Hindia, A. F. M. M. Weheba. *Hebrew:* S. Herman. *History:* H. Blakemore, Evelyne G. Cruickshanks, Joyce E. Mousley. *Italian:* D. E. Rhodes. *Latin:* Fatma S. Seif. *Philosophy:* J. A. Bruce, M. Marković, G. Misra, D. L. S. Pole. *Psychology:* G. J. Gardner, J. Hopkins, R. Hora, P. H. R. James, Kate MacSorley, Mildred D. Marshak. [21]

M.A. *Anthropology:* F. M. Rehfisch. *Classics:* I. W. G. Martin, W. H. C. O'Neill (Mark of Distinction). *English:* Jennifer R. Ainslie, P. Kirschner, Catriona E. MacGowan, N. H. Pettersen, Sarah B. Younghughes. *French:* D. L. G. Rose. *German:* Joyce P. Morgan. *Mathematics:* J. Narain. *Psychology:* Gillian G. Topping. [12]

FACULTY OF ECONOMICS

M.Sc. J. Banerjee, H. K. M. Singh (Mark of Distinction) [2]

FACULTY OF LAWS

LL.M. E. A. Adisa, M. S. Ali, D. S. Obhrai, A. M. Setalvad, T. A. Totoe. [5]

FACULTY OF SCIENCE

D.Sc. *Geology:* K. P. Oakley. [1]

Ph.D. *Biochemistry:* B. R. Rabin, T. F. Slater. *Biophysics:* A. R. Martin. *Botany:* D. H. Dalby. *Chemical Engineering:* J. Bond, F. Haslam. *Chemistry:* R. Barker, A. J. Beckwith, J. E. Connett, H. C. Duffin, K. Fish, Alicja M. Konasiewicz, D. H. Leaback, J. J. Mausner, A. L. Odell, A. S. Saad, K. Saito, K. M. Sinnott, C. Solomons, G. Stedman, E. G. Vaal, S. Varma, S. E. Zayan. *Geography:* E. H. Brown. *Geology:* T. Thimmaiah. *History of Science:* A. H. Self. *Mathematics:* J. V. Armitage, W. D. Collins, I. C. Percival, R. K. P. Singh, C. P. Sinha. *Physics:* M. I. Ali, R. M. Curr, H. B. Gilbody, A. S. Reid, J. Shaw, R. F. Stebbings, L. H. Underhill. *Physiology:* W. Burke. *Psychology:* R. J. Audley, E. G. Ettlinger, A. R. Jonckheere, Melek Khairy, Joan Ray, E. H. Rayner, J. G. Williams. *Statistics:* D. J. Bartholomew, G. M. Jenkins. [48]

M.Sc. *Biochemistry:* Barbara E. C. Banks, J. Hanford, G. C. Hellyer, L. Keay, Regina Pietruszko, P. Slade. *Botany:* G. W. Bartlett, C. P. Gopinathan. *Chemistry:* A. Grimison. *Crystallography:* C. R. Hill, D. J. P. Richards. *Geology:* G. R. K. Hillier. *History and Philosophy of Science:* Marion H. H. Bunton, J. Fisher, H. Lampkin, W. F. Millard, M. I. F. P. Nalletamby, L. G. Wilson. *Physics:* Margery W. Clutterbuck, H. A. Venables. *Physiology:* O. Holmes, A. S. Jarrett. [22]

FACULTY OF MEDICAL SCIENCES

Ph.D. *Pharmacology:* M. N. Ghosh. [1]

FACULTY OF ENGINEERING

Ph.D. P. H. Byrne, S. P. Christoldoulides, J. A. Coutts, A. J. C. De Carvalho, E. G. Ellison, O. P. Jain, H. A. F. Marrie, P. A. Matthews, K. W. Pearce, A. R. Ritchie. [10]

M.Sc. H. St. L. Dannatt, M. Furst, Khin Maung Yin, S. D. Vora. [4]

UNIVERSITY SCHOLARSHIPS AND PRIZE

Fine Art: Vanessa C. Stourton (Richardson Scholarship for Women).
Laws: H. Cohen (University Scholarship in Laws).
Geology: R. Nicholson (Sir Henry Miers Prize in Mineralogy).

UNIVERSITY STUDENTSHIPS

Chemistry: D. N. Kevill. *English:* Norma F. Bevis (George Smith Studentship and book prize). *Fine Art:* A. B. Hatwell. *Germanic Languages* (*German*): Rene Henry. *Laws:* R. W. Rideout. *Mathematics:* D. A. Burgess. *Physics:* M. J. Esten (Granville Studentship). *Psychology:* Rosalind J. Bradbury.

UNIVERSITY POSTGRADUATE AWARDS

M. W. Hughes Clarke (William Gilles Research Fellowship in the Faculty of Science, awarded by the Clothworkers' Company) (renewal). V. Moses (Postgraduate Travelling Studentship).
Postgraduate Studentships—*Botany:* J. A. Adcock. *Chemistry:* J. L. Holmes, J. Pannell. *Engineering:* J. M. Burgess. *English:* W. A. Davenport, J. F. Hulcoop (renewal for one term), Catriona E. MacGowan. *French:* Penelope J. V. Bell. *History:* S. W. F. Holloway, H. G. Owen (renewal). *Mathematics:* D. C. Belinfante (renewal for one term). *Physics:* F. A. Haas, A. Weinmann (renewal).

APPENDIX X

COLLEGE AWARDS TO STUDENTS

I.—ENTRANCE SCHOLARSHIPS

Andrews Scholarships.—Arts: Judy E. R. V. Schafer (2nd Year); D. Evans (1st Year, 1954 award); Janet D. Butcher, Chelmsford County High School (1st Year). *Classics:* P. H. Durham (3rd Year); K. Booth (2nd Year); Rosemary A. Peachey (2nd Year); P. Kingston, Rochdale Boys' Grammar School (1st Year). *Science:* R. J. Cole (3rd Year); A. K. Common (2nd Year); J. M. Cockcroft, Todmorden Grammar School (1st Year).

Bartlett Exhibitions in Architecture.—J. A. Browning (5th Year); J. R. G. Thomas (5th Year); D. R. Bagot (4th Year); A. D. C. Hyland (4th Year); D. C. Campion (3rd Year); E. R. Lane (3rd Year); S. J. Thorpe (3rd Year); M. R. Court (2nd Year); J. D. Starling (2nd Year); R. J. Faircliff, Whitgift School, South Croydon (1st Year); Alison K. Fennell, Girls' Grammar School, Dover (1st Year).

Bucknill Medical Scholarship.—B. D. Ross (2nd Year); D. A. Hems, Lower School of John Lyon, Harrow (1st Year).

Campbell Clarke Scholarship in English.—G. Aldis, Tiverton Grammar School (1st Year).

Epsom Medical Scholarship.—G. A. Hunter (2nd Year); R. G. H. Jones (1st Year).

Goldsmid Scholarships.—Science: A. P. Mainwaring (3rd Year); B. Roberts (2nd Year); R. F. N. Walker, Lowestoft County Grammar School (1st Year). *Engineering:* D. Priestley (3rd Year); K. D. Raven (2nd Year).

Hume-Lloyd Scholarship in Political Economy.—B. Fasey (3rd Year); D. E. Gladding (2nd Year).

Laws Scholarship.—B. S. McCarthy (3rd Year); V. L. Shebson (3rd Year); S. M. Oliver, Barrow-in-Furness Grammar School (1st Year).

Exhibitions in Librarianship and Archive Administration.—Mary E. Gale, University College London; W. A. L. Seaman, Manchester University.

Medical Exhibition.—F. D. Trevarthen (2nd Year); Ilfra J. Pink, Guildford County Technical College (1st Year).

Rosa Morison Scholarship (Arts).—J. L. M. Gulley (3rd Year); Angela N. Gardner (2nd Year).

Alfred W. Rich Scholarship (Fine Art).—Dorothy M. Haworth, Sheffield High School (1st Year).

Slade Scholarship.—R. M. Hallett (3rd Year); R. J. Kitts (2nd Year).

Webb Scholarship.—Claudia A. B. Carasco (3rd Year).

II.—OTHER SCHOLARSHIPS AND DISTINCTIONS

Anatomy Class Prizes.—Medical: W. J. McNeilly. *Dental:* M. A. Spurgeon.

Anatomy and Physiology (B.Sc. Degree) Exhibitions.—Anatomy: D. Corless, D. A. Hollis, D. Hughes, J. H. Kiff, K. E. Webster. *Physiology:* A. H. Melhuish, H. P. Rang.

Anatomy and Physiology (B.Sc. Degree) Scholarships.—Anatomy: D. J. Galton, C. W. Mortimer. *Physiology:* W. J. McNeilly, T. C. Yu.

Herbert Batsford Prize (Architecture).—S. N. P. Marks.

Bayliss-Starling Memorial Scholarship (Physiology).—Mary J. Scott.

Benington Memorial Studentship (Anthropometry and Craniology).—D. R. Brothwell.

Ada Heather Bigg Prize (Economics).—D. T. Horner.

Alfred Bossom Prize in Domestic Architecture.—R. J. Pleasants.

Alfred Bossom Atelier Prizes.—English Architecture: J. D. Ainsworth. *Contemporary Architecture:* D. V. Hewitt.

Mary Brodrick Prize (Geography).—R. A. C. Ketley.

'The Builder' Prizes (*Architecture*).—*Measured Drawings* (for work done in the Long Vacation 1955).—*Senior:* Helen E. Penn. *Junior:* E. R. Lane. *Freehand Drawing.*—J. A. Browning.

Chadwick Medal and Prize (*Municipal Engineering*).—J. E. Stiefel.

Churchill-Jenkinson Prize (*Archive Administration*)—F. M. Cowe, Margaret A. Sidaway, prize equally divided.

Antonio Cippico Medal and Prize (*Italian*).—Dvora Michelson.

Lilian Clarke Prize (*Botany*).—June K. Wright.

Clinton Prize (*Electrical Engineering*).—D. J. Rowley.

Cowley Prizes (*Librarianship and Archive Administration*).—*Librarianship:* Käthe M. Albu, Brenda E. Moon, prize equally divided. *Archive Administration:* Susan I. C. Capron.

Dawes Hicks Scholarship (*Philosophy*).—G. Petrović.

Dolley Memorial Prize (*Modern European History*).—A. S. Milward.

Donaldson Medal and Prize (*Architecture*).—M. R. Evans.

Early English Text Society's Prize.—J. D. Leje.

Esso Studentships (*Chemical Engineering*).—R. J. Perriman (1st Year); D. Greenaway (2nd Year).

Foreign Student Scholarship in Arts.—G. Petrović.

Foyle Prize (*Latin*).—M. F. Gretton.

Goldsmid Engineering Postgraduate Scholarship.—A. H. Makomaski.

Archibald P. Head Memorial Medals and Prizes.—B. K. Bezant; C. V. Chester-Browne.

Heimann Medal and Prize (*German*).—Penlope J. East.

Elsie Hitchcock Prize (*English*).—Norma F. Bevis.

Hollier Scholarships.—Greek: I. McNeill (1st Year); J. H. Harrop (2nd Year); A. Seeberg (2nd Year).

R. B. Hounsfield Prizes.—Town Planning and Civil Engineering: J. K. Welbank. *Traffic Engineering:* I. G. Holmes.

Joseph Hume Scholarship in Jurisprudence.—H. Cohen.

Hume-Lloyd Postgraduate Scholarship in Political Economy.—R. L. Butler.

Hurst Prize in English Law.—V. L. Shebson and H. C. R. Tompkins, prize equally divided.

Incorporated Institute of British Decorators' Prize.—Kathleen M. Taylor.

Jevons Memorial Scholarship in Economic Science.—S. C. Gupta.

Jews' Commemoration Scholarship.—Shirley A. Straw, Science (2nd Year); Raina J. Denfield, Laws (1st Year).

Jolowicz Prize (*Roman Law*).—O. A. Kehoe.

Ker Memorial Prize (*English Language and Literature*).—Anita M. Walker.

Leverhulme Studentship in Chemical Engineering.—R. N. J. Barraclough.

Sir John MacAlister Medal and Prize (Librarianship).—B. G. Staples.

Malden Scholarship (Greek).—Christina Dedoussi.

Medical Postgraduate Scholarships.—B. R. Jewell, D. M. Ricks, D. N. Salter.

Sir William Meyer Studentship (Indian History).—Romila Thapar.

John Stuart Mill Scholarship in Philosophy of Mind and Logic.—Margaret M. Paton.

Momber Scholarship in Physics.—A. Scott.

Momber Scholarship in Science.—A. S. Halliwell (Geology).

Rosa Morison Memorial Medal and Prize (Arts).—T. J. Saunders.

Rosa Morison Prizes.—French: Elaine Wallace. *Scandinavian Languages:* Augusta H. L. Pierce.

Rosa Morison Postgraduate Scholarships in Arts.—Susan V. Gorely, Heather A. Townshend.

Rosa Morison Scholarship in English.—Muriel Jackson (2nd Year).

Morley Medal and Prize (Modern English Literature).—A. D. Mills.

Morris Prize (Geology).—B. R. Brown.

Melvill Nettleship Prize (Figure Composition).—Wendy Yeo.

Parry Prize (Geography).—J. L. M. Gulley.

Catherine Maude Pearce Scholarship.—Mollie Rothwell.

Physiology Class Prizes.—Medical: H. P. Rang. *Dental:* P. F. Croucher.

Platt Prizes (Greek).—M. F. Gretton, B. E. Surtees.

Pollard Prize (History).—J. H. Goldthorpe.

Postgate Prize (Classical Philology).—B. E. Surtees.

Theodora Prankerd Memorial Scholarship in Botany.—Mary Bryant.

Quain Studentship.—Biology: R. Knowles.

Quain English Essay Prize.—D. J. Lodge.

Ramsay Memorial Medal and Prize (Chemistry).—J. C. Maynard.

Ricardo Scholarship (Political Economy).—S. P. Gupta.

Mary Rischgitz Prize (Fine Art).—T. G. Lee.

Graham Robertson Travelling Scholarship (Fine Art).—Margaret E. Evans.

Robert Ross Scholarship (Fine Art).—J. S. Jones.

L. M. Rothschild Scholarship in French.—Y. Ron.

Schafer Prize.—J. A. B. Gray.

Sharpey Physiological Scholarship.—J. S. Gillespie.

Shell Postgraduate Studentships (*Chemical Engineering*).—S. R. C. Jewell-Thomas (2nd Year); J. R. F. Brander (1st Year); B. T. Grozier (1st Year); R. I. R. Davies (1st Year); J. A. C. Christie (1st Year).

Slade Scholarships.—M. J. Elliott, R. J. C. England, P. S. Schmidt, W. E. Tippett, Gillian M. Turral.

Stanbury Scholarship in Stage Design.—F. R. Thomas.

Steer Medal and Prize (*Fine Art*).—Margaret E. Evans.

Suckling Memorial Prize (*Anatomy*).—M. P. Vessey.

Sir Andrew Taylor Prizes.—Architecture: H. C. U. M. Hellum. *Fine Art:* G. Wall.

Henry Tonks Prize (*Fine Art*).—Gillian M. Turral.

Tuffnell Scholarship (*Chemistry*).—D. J. Thomas (2nd Year); S. Y. Yih (1st Year).

L. F. Vernon-Harcourt Prize (*Civil Engineers*).—F. H. Richards.

Thomas Viola Prize (*Stage Design*).—Yolanda P. T. Sonnabend.

Ellen Watson Memorial Scholarship in Applied Mathematics.—J. Underhill.

APPENDIX XI

EXAMINATION RESULTS

FACULTY OF ARTS

B.A. (Honours)

	1st Class	*2nd Class*		*3rd Class*	*Total*
		Upper Div.	*Lower Div.*		
Anthropology	—	—	2	—	2
Classics	1	—	5	4	10
English	2	6	14	4	26
French	—	3	10	3	16
Geography	—	2	12	4	18
German	1	2	7	7	17
Hebrew	—	—	—	1	1
History	2	9	10	4	25
Italian	—	—	—	1	1
Latin	—	—	—	1	1
Philosophy	—	1	1	—	2
Philosophy and Psychology	—	—	1	—	1
Psychology	1	3	4	3	11
Scandinavian Languages	—	1	—	—	1
	7	27	66	32	132

	1st Division	*2nd Division*	*3rd Division*	*Total*
B.A. General	—	—	1	1

	1st Class Honours	*2nd Class Honours*	*Pass*	*Total*
B.A. Architecture	3	3	4	10

FACULTY OF ECONOMICS

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div	Pass	Total
B.Sc (Economics)	3†	9*	17*	5	34

† Includes two students also registered at another Institution.
* Includes one student also registered at another Institution.

FACULTY OF LAWS

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	Pass	Total
LL.B.	3	8	40	20	71

FACULTY OF SCIENCE

B.Sc. (Special)

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Total
Anatomy	1	2	3	1	7
Anthropology	—	1	—	—	1
Astronomy	—	—	4	—	4
Biochemistry	—	—	3	—	3
Botany	—	2	5	—	7
Chemistry	10	10	9	4	33
Geography	—	3	6	—	9
Geology	1	3	3	2	9
Mathematics	7	4	7	5	23
Physics	6	8	8	11*	33
Physiology	1	5	6	—	12
Psychology	—	1	3	—	4
Statistics	—	—	—	3	3
Zoology	—	9		—	9
	26	39	9 57	26	157

			Pass	
B.Sc. (General)	—	10	22	32

* Includes one student also registered at another Institution.

FACULTY OF ENGINEERING

	1st Class Honours	2nd Class Honours	Pass Degree	Total
B.Sc. (Engineering)	7	16	17	40
B.Sc. (Engineering) Chemical Engineering	5	4	9	18

FACULTY OF MEDICINE

Second Examination for Medical Degrees: 61 students passed.

BENEFACTIONS AND DONATIONS

The College Committee makes grateful acknowledgment of the following gifts:

Agricultural Research Council

(1) A grant not exceeding £654 for a period of nineteen months from 1 September 1955, for research in the Department of Zoology on the cytological effects of inbreeding in Drosophila.

(2) A grant not exceeding £300 for one year from 1 April 1956, for research in the Department of Zoology on the phenomena of acquired tolerance of tissue grafts.

(3) A grant not exceeding £268 from 1 April 1956 to 30 October 1956, for research in the Department of Biochemistry on the composition of insect blood, with special reference to nitrogeneous constituents.

(4) A grant not exceeding £307 from 1 April 1956 to 31 October 1956, for research in the Department of Biochemistry on the biochemistry of lactation.

(5) A grant not exceeding £256 for one year from 1 April 1956, for research in the Department of Eugenics, Biometry and Genetics on the genetics of developmental rate in Drosophila Subobscura.

(6) A grant not exceeding £791 for one year from 1 April 1956, for research in the Department of Anatomy and Embryology on the perfusion *in vitro* of the pregnant uterus.

(7) A grant not exceeding £110 for one year from 1 October 1956, for an investigation in the Department of Zoology into the viruses carried by British mosquitos.

Albright and Wilson Limited

A grant of £200 for the purchase of materials for the Department of Chemistry.

Board of Trade

A grant of £1,160 to the Department of Political Economy for publication costs of results of research on the relation of monopoly and competition to innovation in British industry.

Mr C. W. Boise

A further grant of £12,000 to provide a second scholarship for the benefit of art students.

British Celanese Limited

A grant of £100 for the general upkeep of the Department of Chemical Engineering.

British Empire Cancer Campaign

(1) A further grant of £110 for the year to 31 December 1955, for research being carried out in the Department of Chemistry.

(2) A grant of £180 for the year 1955 to provide technical assistance in connection with research work in cancer in the Department of Zoology.

(3) A grant of £400 for the year 1956 to provide technical assistance in connection with research work in cancer in the Department of Zoology.

(4) A grant of £741 for the purchase of a Mullard ultrasonic generator and associated equipment for the Department of Zoology.

(5) A grant of £841 for the year 1956 for research in the Department of Chemistry on cancer.

The British Petroleum Company Limited

A grant of £500 for the year 1956 for research in the Department of Geology in micropalaeontology.

British School of Egyptian Archaeology

A transfer to the College of the balance of the School's fund, approximately £3,590, on the winding-up of its activities, for the founding of a scholarship for the study of the archaeology of Egypt and its cultural connections.

The Builder Limited

A grant of £10 10*s.* 0*d.* per annum. under covenant, for a period of seven years to provide a prize for freehand drawing in the Bartlett School of Architecture.

Cement and Concrete Association

A grant of £250 for research work to be carried out in the Department of Civil and Municipal Engineering on concrete technology.

Central Electricity Authority

(1) A further grant of £70 for a period of six weeks from 4 October 1955, for research in the Department of Chemical Engineering into improvements in electro-static precipitation of dust.

(2) A grant of £700 for research in the Department of Electrical Engineering on semi-conductor wattmeters.

Chadwick Trustees

A grant of £250 for one year for research in the Department of Civil and Municipal Engineering on the aeration of water.

Diamond Corporation

A grant of £400 for one year for research in the Department of Chemistry on the subject of inclusions in diamonds.

Department of Scientific and Industrial Research

(1) A grant not exceeding £1,281 from 1 October 1955 to 30 September 1957, in aid of a theoretical study in the Department of Physics of the structure of highly symmetrical molecules and hydrides with axial symmetry.

(2) A grant not exceeding £600 from 1 January to 30 September 1956, for research in the Department of Physics on the study of K particles and hyperons produced by high energy accelerations using nuclear emulsions.

(3) A grant of £1,450 for the year ending 31 March 1957 for research in the Department of Electrical Engineering on the propagation of surface radio waves.

Electrical Research Association

A grant of approximately £575 for the year 1956 for research in the Physics Department to be carried out by Dr S. Zienau on quantum field theory of fundamental particles and theory of the solid state.

The Late L. F. Gilbert

A legacy of £100 for the purchase of books and journals for the Science Library of the College.

Home Office

(1) A grant of £500 per annum for two years to 30 April 1956 for research in the Department of Psychology into the results of training and aftercare in senior girls' approved schools.

(2) A grant of £650 per annum for two years to 31 March 1958, for research in the Department of Psychology into the results of approved school training.

Imperial Chemical Industries

(1) A grant of £50 for research in the Department of Mechanical Engineering on the strength of bursting discs.

(2) A grant of £200 for palaeontological research in the Department of Zoology.

Iraq Petroleum Company Limited

A grant of £500 per annum for two years for a two year research studentship in Palynology.

London Inter-Collegiate Scholarships Board

A grant of £200 to be used by the College in some way to help deserving students.

Medical Research Council

(1) A further grant of £500 from 1 September 1955 to 31 October 1956, for research in the Department of Zoology on transplantation immunity.

(2) A grant of £550 for one year from 1 September 1955 for an investigation in the Department of Biochemistry of the physico-chemical properties of various guanidine bases which are believed to form phosphagens.

(3) A grant not exceeding £1,865 for one year for work in the Department of Phonetics on the nature of thinking as revealed through the speech process.

(4) The financing at the annual cost of approximately £2,750 of a 'Medical Research Council Group for Experimental Research in Inherited Diseases' in the Department of Eugenics, Biometry and Genetics.

(5) A grant of £800 for the year 1956 for research under the direction of Dr H. O. Schild in the Department of Pharmacology.

(6) A grant of £1,650 for one year from 1 November 1955, for research in the Departments of Biochemistry and Chemical Engineering on production of co-enzyme A.

(7) A grant of approximately £3,000 per annum for research under Professor R. W. Russell in the Department of Psychology on the experimental investigation of behaviour.

(8) A grant not exceeding £600 for the year to 31 August 1957 for research in the Department of Zoology on transplantation immunity.

(9) A grant of £400 per annum for one year from 1 October 1956, for research in the Department of Biophysics on physico-chemical studies of mammalian neuro-muscular and synoptic transmission.

(10) A grant of £110 for special apparatus in connection with research in the Department of Pharmacology.

(11) A grant of £600 for the year to 18 September 1956 for research in the Department of Eugenics, Biometry and Genetics on biological assay of amino acids.

(12) A grant of £55 for the year to 31 August 1956 for research in the Department of Biochemistry on the metabolism of epidermis.

(13) A grant not exceeding £250 for the year to 31 March 1957, for research in the Department of Physiology on the distribution of acetylcholine in sympathetic ganglia.

(14) A grant not exceeding £152 10*s.* 0*d.* for the year to 31 March 1956, for research in the Department of Physiology on the mechanical neural and endocrine factors controlling the eruption of teeth.

(15) A grant of £500 for the year ending 30 November 1956, for research in the Department of Physiology on neuro-physiology.

(16) A grant of £750 for one year to 31 September 1956, for research in the Department of Physiology on gastro-physiology.

(17) A grant of £400 for one year from 1 October 1955 for technical assistance for Professor Kathleen Lonsdale in the Department of Chemistry.

(18) A grant of £820 for one year from 1 April 1956, for research being carried out by Dr H. E. Huxley in the Department of Biophysics on electronmicroscopy and other studies into the fine structure of biological systems.

(19) A grant of £1,528 for alterations in the Department of Biophysics necessary for the above-mentioned research.

Mental Health Research Fund

A grant of £1,200 per annum for the three years from 1 October 1956, for research in the Department of Anatomy and Embryology on an investigation of the hippocampus.

Ministry of Supply

(1) A further grant not exceeding £10,200 over a period of two years for research in the Department of Physics on design study for a high energy accelerator.

(2) A grant of £1,700 for one year to 30 September 1956 for research in the Department of Phonetics on sound coded speech.

(3) A grant not exceeding £1,500 for the year 1956 for research in the Department of Civil and Municipal Engineering on photoelastic studies for fatigue strength of bolted joints.

National Coal Board

A grant not exceeding £3,500 for the year 1956 for research in the Department of Psychology into the causes of coal miners' accidents.

Nuffield Foundation

(1) A grant of £4,246 for a period of three years for research in the Department of Zoology on the development of a new form of micromanipulator.

(2) A further grant of £2,000 over a period of one or two years for research in the Department of Town Planning on the social aspect of planning surveys and analysis, and for the publication of a text-book.

(3) A grant not exceeding £500 for the provision of a controlled temperature room for research in the Department of Zoology.

(4) A grant of £160 for research in the Department of Botany on protein content of East African crop plants.

(5) A grant of £1,100 for fundamental research in the Department of Botany on the physiology and biochemistry of algae.

(6) A grant of £500 for research in the Department of Town Planning on the social aspects of planning surveys and analysis.

(7) A grant of £900 for research in the Department of Anatomy and Embryology on proliferation and morphogenesis in the adult.

(8) A grant of £200 for research in the Department of Anatomy and Embryology on electro-physiology of the cerebral cortex.

(9) A grant of £275 for research in the Department of Anatomy and Embryology on the application of electronic theory and technique in biology.

(10) A grant of £290 for research in the Department of Anatomy and Embryology on the transport of substances along nerve fibres.

(11) A grant of £12,000 for three years for research in the Department of Anatomy and Embryology on cerebral mechanics.

The Worshipful Company of Pewterers

A grant of £50 per annum for a minimum of ten years to provide a studentship for research in the Department of History on the history of London with special reference to the history of the Guilds and Livery Companies of London.

Rockefeller Foundation

(1) A grant not exceeding $30,000 for a period of five years from 1 January 1956, for research in the Galton Laboratory into problems of human heredity.

(2) A grant not exceeding $7,500 for the purchase of a Spinco preparative ultracentrifuge for use in biological research in the Department of Zoology, during the period ending not later than 31 July 1956.

(3) A grant not exceeding £4,000 for a period of two years from 1 July 1956, for the development of work in Latin American Geography.

(4) A grant not exceeding $1,000 for the period up to 31 July 1956, for the purchase of a special horizontal rotor for use with the Spinco preparative ultracentrifuge in the Department of Zoology.

Royal Society

(1) A grant of £2,500 for high altitude research in the Department of Physics.

(2) A grant of approximately £925 per annum for two years from 1 October 1955, for research in the Department of Physics on gaseous discharge.

(3) [R. W. Paul Fund.] A grant of £1,400 for research in the Department of Electrical Engineering on the application of the Hall Effect in semi-conductors to the measurement of power.

(4) [R. W. Paul Fund.] A grant of £1,000 for research in the Department of Electrical Engineering.

(5) [Locke Fund.] A grant of £250 for research being carried out by Dr M. de B. Daly in the Department of Physiology on circulation and respiration.

(6) A grant of £500 to the Department of Physiology for the purchase of apparatus in connection with research being carried out on ionic fluxes in sinus venosus of the heart.

Shell Petroleum Company Limited

A grant of £60 for the session 1956–57 for Geological field work.

Sir Halley Stewart Trust

A grant of £1,300 for one year, in aid of research into the reasons for academic failure or inability to complete courses.

United Kingdom Atomic Energy Authority

(1) A grant not exceeding £1,500 for the period 1 January 1956 to 31 December 1957, for investigation in the Department of Chemistry in spectroscopic study of metal complexes with special reference to Ruthenium compounds.

(2) A grant not exceeding £2,525 for two years from 1 October 1955 to 30 September 1957, for an investigation in the Department of Physics into cloud chamber development.

(3) A grant not exceeding £3,435 for five years from 1 October 1952 to 30 September 1957, for an investigation in the Department of Physics into electron cross sections and magnetohydro-dynamics.

(4) A grant not exceeding £4,385 for three years from 1 November 1955, for research in the Department of Physics on hydrogen collision cross sections.

United States National Institutes of Health

A grant of $250 for six months to 19 July 1956, for research in the Department of Physiology on the hydrostatic pressure on some biological systems.

GIFTS TO THE LIBRARY

2,724 volumes and 1,585 pamphlets were received by gift or exchange in the course of the session. The most important gift, which was the Ogden Library, has already been mentioned in the Report of the Chairman of the College Committee and the Provost. The Library was also fortunate to obtain through the good offices of Professor Daryll Forde some 340 volumes and 600 pamphlets in the field of anthropology from the library of the late Professor Radcliffe-Brown of Oxford. This collection was generously presented to the College by Mrs Allan Pike, his daughter.

APPENDIX XIII

COLLEGE ACCOUNTS 1955–56

The Accounts for the year 1955–56, which follow on pages 84–91, comprise the Balance Sheet, the Income and Expenditure Account, and the subsidiary account for Rehabilitation and Development.

BALANCE SHEET

Features of special interest were :

LIABILITIES

The principal additions to the Capital Account were the conversion by the Treasury of the former interest-free loan of £127,650, made in 1949 towards the purchase of properties from the Bedford Estate, into an outright grant ; and also Capital Grants for the purchase of the sites at 57, 59 and 61 Grafton Way, which were acquired in 1954–55, and of the site at 119–125 Whitfield Street.

Sundry Funds show an increase of £67,389 over the corresponding figure for the previous year, consisting mainly of further proceeds of the Engineering Appeal.

ASSETS

The balance of the Rehabilitation and Development Account, referred to in detail on pages 88-91, shows an increase of £64,648 over the corresponding figure at 31 July 1955, owing mainly to the progress made on the erection of the Biological Sciences Block, Stages I and II, for which further Capital Grants are awaited.

One new property has been added during the year—the site of 119–125 Whitfield Street, which will eventually be developed for use as a hall of residence.

Investments show an increase of £75,949 in book value, representing £72,527 invested temporarily on account of the proceeds of the Engineering Appeal, and £2,692 on account of personal superannuation funds.

TRUST FUNDS

The College holds endowments in the form of 173 separate Trust Funds with a total value of over £1,108,000. They yield a gross income of £50,000.

INCOME AND EXPENDITURE

The Income and Expenditure account shows a surplus of £4,509 as compared with a deficit of £9,359 for the previous year.

Income exceeded that of the previous year by £82,368, the main features of which were the normal increase of Court Grant, £45,000, a supplementary Court grant for the development of Science and Technology, £15,000, and an increase of £11,477 over the grant for the previous year for academic salary increases.

Total expenditure was £68,500 more than in 1954–55, of which some £54,085 was due to normal increments in academic salary scales, the extra cost in a full year of the revised salary scales as compared with ten months in 1954–55, and to the cost of new appointments made under the supplementary grant for the development of Science and Technology ; included in this amount, also, were increases in wages of technicians of £8,362, and in departmental and Library grants of £15,662.

The percentages of the income and expenditure under the main classifications in the years 1953–54 to 1955–56 are shown in the following table :

EXPENDITURE	1953–4 %	1954–5 %	1955–6 %	INCOME	1953–4 %	1954–5 %	1955–6 %
Salaries and Pensions of Teaching Staff	48·5	48·5	49·0	Endowments ..	4·2	4·0	3·6
Departmental Expenses, incl. Library ..	25·8	25·5	26·0	Donations ..	0·3	0·5	0·5
Maintenance of Premises ..	13·2	12·7	12·5	Grants	82·2	83·3	83·9
Administration ..	7·2	7·2	7·3	Fees	11·8	10·9	10·4
Other	5·3	6·1	5·2	Other	1·5	1·3	1·6
	100·0	100·0	100·0		100·0	100·0	100·0

A summary of the income and expenditure of the College, comparing the results in the years 1946–47, 1954–55 and 1955–56, is as follows :

EXPENDITURE	*Thousands of £* 1946–7	1954–5	1955–6	INCOME	*Thousands of £* 1946–7	1954–5	1955–6
Administration ..	43	80	87	Endowments ..	48	45	43
Departmental Maintenance ..	359	842	896	Grants	282	928	1,004
Maintenance of Premises ..	59	143	148	Fees	101	121	125
Other	24	58	62	Other	40	20	25
	485	1,123	1,193		471	1,114	1,197

REHABILITATION AND DEVELOPMENT ACCOUNT

This account records the course of operations upon the rebuilding of the College after damage suffered during the war, and upon the provision of temporary accommodation, of certain new buildings, and their equipment. The account shows in separate sections works completed in the fifteen years up to 31 July 1956 and works in progress.

The various projects are financed mainly by special Capital Grants from the University Grants Committee and by War Damage compensation, but the balance has to be found from College sources. Up to date, 75 per cent has been found from Capital Grants, 20 per cent from War Damage compensation, and 5 per cent from College funds and other sources.

In this account the payments of £2,462,569 for the fifteen years up to 31 July 1956 exceeded the receipts of £2,239,510 by £223,059 which related to expenditure upon:

	£
Completed Projects, balance to be financed	5,985
Projects for which Capital Grants and War Damage compensation claims have been approved but not received at the date of account	100,391
Apparatus for which Capital Grants have been approved	9,492
Projects approved by the Court for which Capital Grants are awaited	60,939
Preparation of plans for College Development	30,167
Chemistry Light Storey, to be met from Ramsay Memorial Appeal ..	11,484
Projects to be financed from College and other funds	4,600
	£223,058

CAPITAL GRANTS

Capital Grants for the year 1955–56 were as follows:

ACQUISITION OF LAND AND PROPERTY	£
Purchase of freehold of 57, 59 and 61 Grafton Way—purchase price, professional and legal charges	1,899
Purchase of freehold of 119–125 Whitfield Street	26,000
Purchase of lease and contents of 27 Cartwright Gardens	2,050
Purchase of freehold of 32 and 34 Fitzroy Street	5,000
	(34,949)

NEW CONSTRUCTION AND EQUIPMENT

Erection of Biological Sciences Block, Stage I : increases due to general rises in wages and the cost of materials and the additional cost of building work	19,417
Conversion of warehouse in Flaxman Terrace : purchase of furniture and equipment, professional fees, additional building work, and increase in cost of labour and materials	14,499
Re-organisation of water supplies : additional building work and increase in cost of labour and materials	6,675
Conversion of 19, 20 and 23 Gordon Square : building work and professional fees	26,709
Conversion of 19, 20 and 23 Gordon Square : purchase of furniture and equipment	10,300
	(77,600)
	£112,549

SCHOLARSHIPS AND PRIZES

Expenditure upon these awards amounted to £12,512 11*s.* 4*d.* in 1955–56. Awards were made as under:

	Undergraduate			*Postgraduate*		
	£	*s.*	*d.*	£	*s.*	*d.*
From Endowments	2,752	13	7	1,709	0	0
,, Donations and Subscriptions	71	7	0	5,525	11	4
,, General Income	605	13	9	1,382	13	8
,, General Income: Exhibition Bursaries and special fee remissions	465	12	0	—		
	£3,895	6	4	£8,617	5	0

LIABILITIES, CAPITAL ACCOUNT, RESERVES AND OTHER FUNDS

31.7.55 £			£	£
	College General Capital Account		1,068,787	
	Add Capital Grants :			
	Flaxman Terrace		498	
	57, 59 and 61 Grafton Way		1,899	
	119–125 Whitfield Street		26,000	
	Gower Street and Gordon Square Properties ..		127,650	
1,068,788			1,224,834	
		£		
12,165	*Less* Bentham Hall Amortization	15,225		
223	11 Chester Terrace Amortization	334		
(12,388)			15,559	
1,056,400				1,209,275
28,273	Redemption Funds			31,931
	Income and Expenditure Account			
		General	Social Sciences	
	Balance at 1 August 1955	2,537	1,333	
	Add Seamen's Hospital Reserve written back ..	2,500		
	Balance for the year ended 31 July 1956 ..	4,509		
3,870	Balance at 31 July 1956	9,546	1,333	10,879
158,460	Sundry Funds			225,849
1,247,003				1,477,934
191,373	Loans			60,216
89,101	Unexpended Balances			113,667
114,289	Current Liabilities			185,694
1,641,766				1,837,511
1,059,516	Trust Funds: Liabilities and Capital			976,998
£2,701,282				£2,814,509

We have examined the above balance sheet and the annexed with the relevant books and vouchers as we considered appropriate. to the explanations given to us:—(*a*) the said accounts represent a London, for the year ended 31 July 1956, and of the resultant (*b*) moneys expended during the year out of non-recurrent grants and been properly applied to those purposes.

3 Frederick's Place, Old Jewry, London E.C.2
21 February 1957

ASSETS AND REHABILITATION AND DEVELOPMENT EXPENDITURE

31.7.55 £		£	£	£
1,247,254	College Freehold Lands, Buildings, Furniture, and Library			1,272,726
	College Leasehold Property	£		
14,754	37 and 38 Nevern Square	14,754		
292	*Less* Leasehold Depreciation..	344		
(14,462)			14,410	
27,572	Bentham Hall (27, 31–44 Cartwright Gardens) ..	29,529		
12,165	*Less* Amortization	15,226		
(15,407)			14,303	
1,447	11 Chester Terrace (Lease expiring 5 July 1966) ..	1,447		
223	*Less* Amortization	334		
(1,224)			1,113	
(31,093)				29,826
1,278,347				*1,302,552
	Rehabilitation and Development Account			
158,410	Payments, less receipts to date, on account of capital works in progress, deferred expenditure and expenditure on reconstruction of properties damaged by enemy action			*223,059
	**The value at which these assets appear in the Balance Sheet will be subject to adjustment on settlement of War Damage Claims for properties destroyed and damaged.*			
	Investments			
112,386	General College and Redemption Funds		188,335	
16,000	*Less* Depreciation		23,000	
(96,386)	(*Market Value at 31 July 1956, £165,569*)			165,335
108,623	Current Assets			146,565
1,641,766				1,837,511
1,059,516	Trust Funds: Assets			976,998
£2,701,282				£2,814,509

income and expenditure account, and have made such tests thereof In our opinion and to the best of our information and according true and fair statement of the transactions of University College balances as at that date as shown by the books of the College; other funds administered by the College for specific purposes have

[Signed] Price Waterhouse & Co.
Chartered Accountants

EXPENDITURE

1954–55 £			1955–56 £	£
	Administration			
53,951	Salaries		57,709	
3,543	Payments for Superannuation		3,659	
20,147	Advertising, Printing, Stationery, Postage, and Telephone		22,267	
2,526	Other Expenses (including Audit and Legal Fees)		2,522	
(80,167)				86,157
	Departmental Maintenance			
511,804	Salaries of Teaching Staff		537,812	
43,448	Payments for Superannuation		47,636	
136,880	Departmental Wages (including Superannuation)		145,242	
106,170	Departmental and Laboratory Maintenance		116,774	
43,568	Libraries		48,626	
(841,870)				896,090
	Maintenance of Premises			
22,926	Rates and Insurance		23,979	
37,671	Heat, Light, Water, and Power		41,245	
61,939	Ordinary Repairs and General Maintenance of Buildings		60,097	
20,337	Wages of Porters and Attendants (including Superannuation)		22,782	
(142,873)				148,103
	Miscellaneous Expenditure			
5,442	Pensions for Retired Members of Staff		5,665	
230	Grants from Benevolent Fund		194	
78	Examiners' Fees		43	
2,240	Interest on Overdrafts, Mortgages, etc.		2,852	
10,475	Scholarships and Prizes		12,523	
10,029	Grants to Students' Societies		12,322	
	Deficits on Income and Expenditure Accounts for Halls of Residence, Refectories, etc.:			
327	Staff Accommodation		237	
	Refectory:	£		
650	Subvention	750		
2,208	Loss written off	2,300		
			3,050	
	Other Expenditure			
1,197	Salaries of Wardens of Halls of Residence	1,227		
26	Payments for Superannuation	68		
			1,295	
	Rent and Other Payments for Use of Buildings:			
3,172	Halls of Residence	3,081		
2,633	Other Buildings	1,556		
			4,637	
10,958	Other Items		10,620	
(51,655)				53,428
4,544	**Capital Expenditure met from Income**			7,071
	Allocations to Reserves			
1,200	Electric Wiring Replacement		1,200	
1,250	Seamen's Hospital Maintenance		—	
(2,450)				1,200
				1,192,059
—	**Balance of Income and Expenditure Account** for the year			4,509
£1,123,559				£1,196,568

1954–55 £	INCOME	1955–56 £	£
	ENDOWMENTS		
44,382	Income appropriated to meet expenditure for particular purposes specified by Trust	42,247	
640	Income appropriated to meet expenditure on general purposes (Bawden Fund)	640	
(45,022)			42,887
	DONATIONS AND SUBSCRIPTIONS: Appropriated for:		
1,439	Special Purposes	751	
3,903	Scholarships and Bursaries	5,597	
(5,342)			6,348
	GRANTS		
	From University Court	926,556	
	Earmarked Grant for Academic Salary Increases	75,529	
	Scheme for the Alleviation of Superannuation Hardship ..	1,570	
928,288			1,003,655
	FEES		
119,667	General	123,621	
970	Examination and Registration Fees	775	
678	Exhibition Bursaries and Special Fee Remissions	390	
(121,315)			124,786
2,248	CONTRIBUTIONS FOR SERVICES RENDERED		1,995
	SURPLUS FROM INCOME AND EXPENDITURE ACCOUNTS FOR COLLEGE PROPERTIES, HALLS OF RESIDENCE, REFECTORIES, ETC.		
2,595	College Properties		3,400
9,390	OTHER ITEMS		13,497
1,114,200			
9,359	BALANCE OF INCOME AND EXPENDITURE ACCOUNT for the year		—
£1,123,559			£1,196,568

PAYMENTS

Item	Projects	1941–55 £	1955–56 £	Total £
	COMPLETED PROJECTS AS AT 1 AUGUST 1955	450,690	—	450,690
	PROJECTS COMPLETED DURING THE YEAR			
1	Reorganisation of College Electricity System	159,289	—	159,289
2	New Boilers for Chemistry Dept.	10,032	—	10,032
3	Furniture for New Members of Staff and New Accommodation..	—	141 (Cr)	141 (Cr)
4	Telephone Switchboard	7,269	—	7,269
5	Temporary Accommodation	8,242	—	8,242
6	Chemistry Department, Benches and Shelving ..	2,200	—	2,200
7	Zoology Research Rooms and Animal House ..	4,698	451	5,149
8	Carpets, Floor Coverings and Repairs	11,886	115	12,001
9	Equipment and Furniture for Foster Court	9,000	—	9,000
10	Botany New Laboratory	—	403	403
	Total Completed Works	663,306	828	664,134
	WORKS IN PROGRESS			
11	Preparation of Plans for Reconstruction of College ..	56,969	3,649	60,618
12	Reconstruction of Main Building	536,962	48,956	585,918
13	Refectory Equipment	20,244	3	20,246
14	Chemistry Light Storey	66,877	2,445	69,322
15	Electronic Workshop	4,598	240	4,838
16	Botany Greenhouse	447	—	447
17	Arrears of Maintenance	63,945	—	63,946
18	War Damage Repairs	43,991	—	43,992
19	Furniture for New Library	24,793	—	24,793
20	Hostels Development Scheme	20	—	20
21	New Physics Building	244,718	31,849	276,568
22	Squash Court Site	4,845	884	5,728
23	Preparation of Plans for College Development ..	36,655	8,600	45,255
24	Equipment for Main Building	63,171	6,934	70,105
25	Gower Street Front	6,518	11,374	17,892
26	Departmental Apparatus and Equipment	82,898	1,395	84,293
27	Miscellaneous Works in Progress	144	111	256
28	Animal House—Stage II	719	—	719
29	Biological Sciences Block	140,338	107,987	248,325
30	New Engineering Building	17	189	205
31	Observatory—Foundations, Equipment and Library Building	8,694	291	8,985
32	Sundry Works—Departments of Physiology, Biochemistry, Pharmacology and Biophysics	3,355	—	3,355
33	Campbell Hall—Alterations	42,311	—	42,311
34	„ „ —Furnishings	13,547	319	13,866
35	Chemistry Department Alterations	1,289	454	1,742
36	17–18 Gordon Square	10,174	—	10,174
37	44 Cartwright Gardens—Conversion	8,441	1,115	9,556
38	Seamen's Hospital	53	3,730	3,783
39	Electronic Computer for Physics	2,910	2,562	5,472
	Carried forward	1,489,643	233,087	1,722,730

RECEIPTS

Item	War Damage	College Funds	Miscellaneous Sources	Capital Grants	Total	Balance
	£	£	£	£	£	£
	39,003	24,765	10,164	374,027	447,959	2,731
1	—	—	—	156,989	156,989	2,300
2	—	1,000	—	8,778	9,778	254
3	—	—	—	—	—	141 (Cr)
4	—	—	—	7,200	7,200	69
5	—	—	—	7,231	7,231	1,011
6	—	—	—	2,200	2,200	—
7	—	—	—	5,140	5,140	9
8	—	—	—	12,000	12,000	1
9	—	—	—	9,000	9,000	—
10	—	—	—	652	652	249 (Cr)
	39,003	25,765	10,164	583,217	658,149	5,985
11	—	—	—	54,309	54,309	6,309
12	367,059	—	—	199,085	566,144	19,774
13	—	3,405	—	16,900	20,305	59 (Cr)
14	—	—	57,838	—	57,838	11,484
15	—	—	—	5,000	5,000	162 (Cr)
16	—	—	—	—	—	447
17	—	3,602	1,378	55,798	60,778	3,168
18	44,112	—	—	—	44,112	120 (Cr)
19	—	—	—	23,000	23,000	1,793
20	—	—	—	—	—	20
21	—	—	—	235,882	235,882	40,686
22	3,850	—	—	—	3,850	1,878
23	—	—	(33,392)	—	(33,392)	11,863
24	1,882	—	—	66,130	68,012	2,093
25	—	—	—	—	—	17,892
26	—	2,460	—	79,050	81,510	2,783
27	—	—	—	—	—	256
28	—	—	—	—	—	719
29	—	—	—	184,848	184,848	63,477
30	—	—	—	—	—	205
31	—	—	—	8,611	8,611	374
32	—	—	—	3,322	3,322	33
33	—	—	—	41,814	41,814	497
34	—	—	—	14,000	14,000	134 (Cr)
35	—	—	—	1,800	1,800	58 (Cr)
36	—	—	—	9,949	9,949	225
37	—	—	96	9,370	9,466	90
38	—	—	—	—	—	3,783
39	—	—	—	4,999	4,999	473
	416,903	9,467	92,704	1,013,867	1,532,941	189,789

( ) Amounts transferred between works

PAYMENTS (continued)

Item	*Projects*	1941–55	1955–56	*Total*
		£	£	£
	Brought forward	1,489,643	233,087	1,722,730
40	Conversions—South Wing	6,368	1,966	8,334
41	Refectory Improvements	225	9	234
42	Alterations and Furnishings for C. and M. Engineering, Electrical Engineering and Geography	1,076	3,059	4,135
43	Lavatory Accommodation—Foster Court	995	—	995
44	Chemistry Drains	368	68	436
45	Conversion of East Reading Room, Foster Court, into Botany Laboratory	2,226	354	2,580
46	Flaxman Terrace—Conversion	8,074	35,255	43,329
47	College Water Supplies	6,195	582	6,777
48	11 Chester Terrace—Alterations, Redecorations and Furnishings	6,607	—	6,607
49	Great Hall Site	413	—	413
50	Furniture for new Botany Laboratory	511	2,542	3,053
51	20–23 Gordon Square—Conversion	850	14,443	15,293
52	Physics Dept. Fire Escape	—	10	10
53	New Refectory Accommodation—Architects' Fees ..	—	1,500	1,500
54	Sound Proofing Floors and Animal Cages	—	605	605
55	19 Gordon Square—Conversion	—	8,566	8,566
56	Chemistry Water Supplies	—	406	406
57	Non-Academic Staff Room Alterations	—	36	36
58	Quadrangle Lighting	—	88	88
59	Egyptology Showcases	—	5,700	5,700
	Total Works in Progress	1,523,551	308,276	1,831,827
	Total all Works	£2,186,857	£309,104	£2,495,961

Receipts up to 31 *July* 1955

RECEIPTS (continued)

Item	War Damage	College Funds	Miscellaneous Sources	Capital Grants	Total	Balance
	£	£	£	£	£	£
	416,903	9,467	92,704	1,013,867	1,532,941	189,789
40	—	—	—	7,693	7,693	641
41	—	—	—	—	—	234
42	—	1,076	—	—	1,076	3,059
43	—	—	—	992	992	3
44	—	—	—	368	368	68
45	—	—	—	2,425	2,425	155
46	—	—	574	39,230	39,804	3,525
47	—	—	—	6,506	6,506	271
48	—	—	—	6,400	6,400	207
49	—	—	—	—	—	413
50	—	—	—	2,879	2,879	174
51	—	—	—	850	850	14,443
52	—	—	—	—	—	11
53	—	—	—	—	—	1,500
54	—	—	—	—	—	605
55	—	—	—	7,032	7,032	1,534
56	—	—	—	—	—	406
57	—	—	—	—	—	36
58	—	—	88	—	88	—
59	—	—	5,700	—	5,700	—
	416,903	10,543	99,066	1,088,242	1,614,754	217,073
	£455,906	£36,308	£109,230	£1,671,459	£2,272,903	£223,058
	£453,131	*£35,232*	*£53,976*	*£1,486,108*	*£2,028,447*	*£158,410*

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